# APPENDIX C

# PHYSICAL LAB REPORT

April 1, 2022

Ms. Monica Martin

Re: North Water District Laboratory Services, Inc. (NWDLS)
NWDLS Geosciences Lab Testing – Task Order #01
Project #22A3944

The Taylor Engineering Coastal & Marine Geosciences Laboratory is pleased to submit the following sediment data for NWDLS project #22A3944. Taylor Engineering received 13 samples for analysis in Jacksonville, Florida on March 9th, 2022. Laboratory testing included sieve and hydrometer analysis according to ASTM D-422. Attached to this letter are the individual test results for each sample.

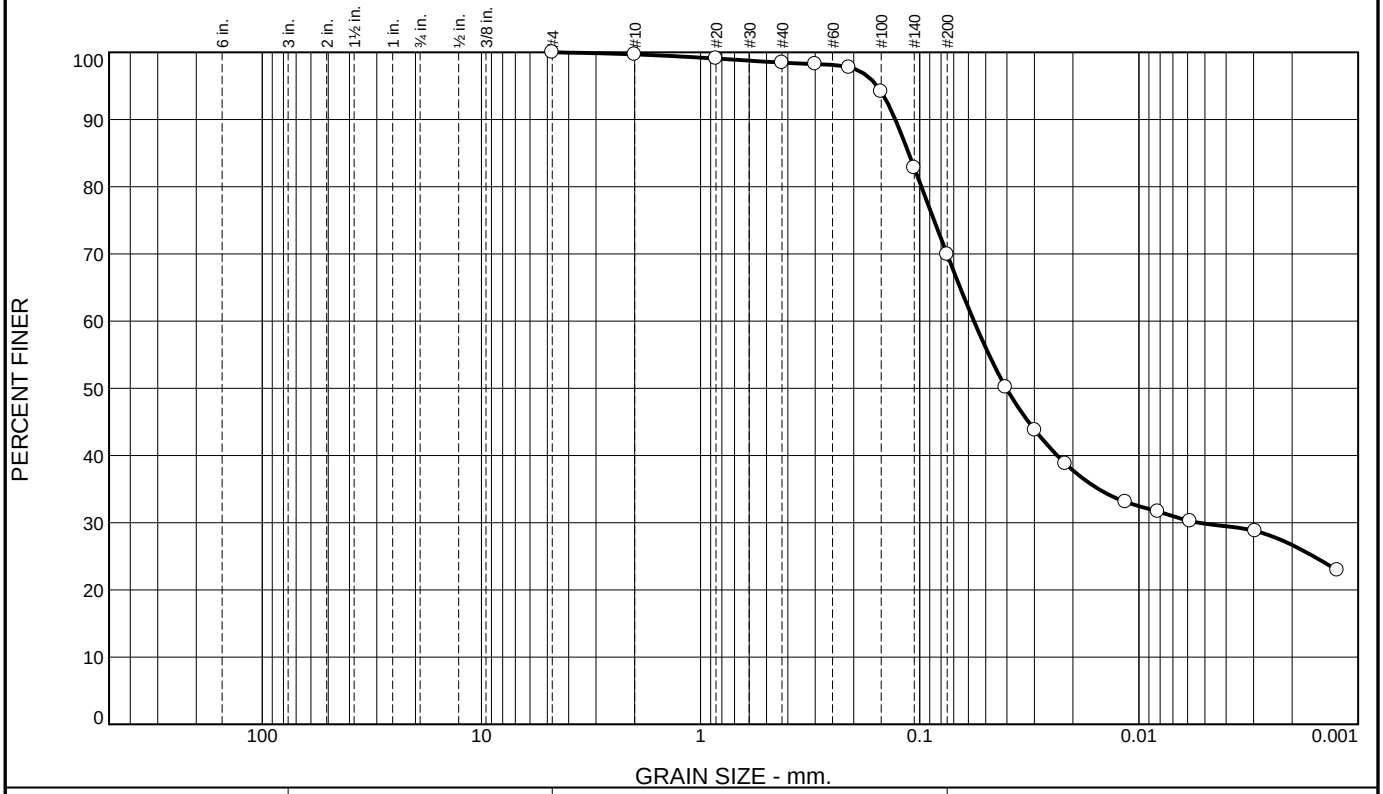
If any additional information is needed or if you have any questions, please contact me at (904) 731-7040 or wwarren@taylorengineering.com.

Sincerely,



William Warren, P.G.
Project Geologist
Coastal & Marine Geosciences Lab Manager

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.3 | 1.2 | 28.6 | 40.1 | 29.8 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.7 | | |
| #20 | 99.1 | | |
| #40 | 98.5 | | |
| #50 | 98.2 | | |
| #70 | 97.7 | | |
| #100 | 94.1 | | |
| #140 | 82.8 | | |
| #200 | 69.9 | | |
| 0.0406 mm. | 50.2 | | |
| 0.0298 mm. | 43.8 | | |
| 0.0217 mm. | 38.8 | | |
| 0.0115 mm. | 33.1 | | |
| 0.0082 mm. | 31.7 | | |
| 0.0058 mm. | 30.3 | | |
| 0.0029 mm. | 28.8 | | |
| 0.0012 mm. | 22.9 | | |

* (no specification provided)

**Soil Description**

Silt, some fine-grianed quartz sand, some clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1293 $D_{85}$= 0.1123 $D_{60}$= 0.0566
$D_{50}$= 0.0403 $D_{30}$= 0.0054 $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 36

**Date:** 3/22/2022

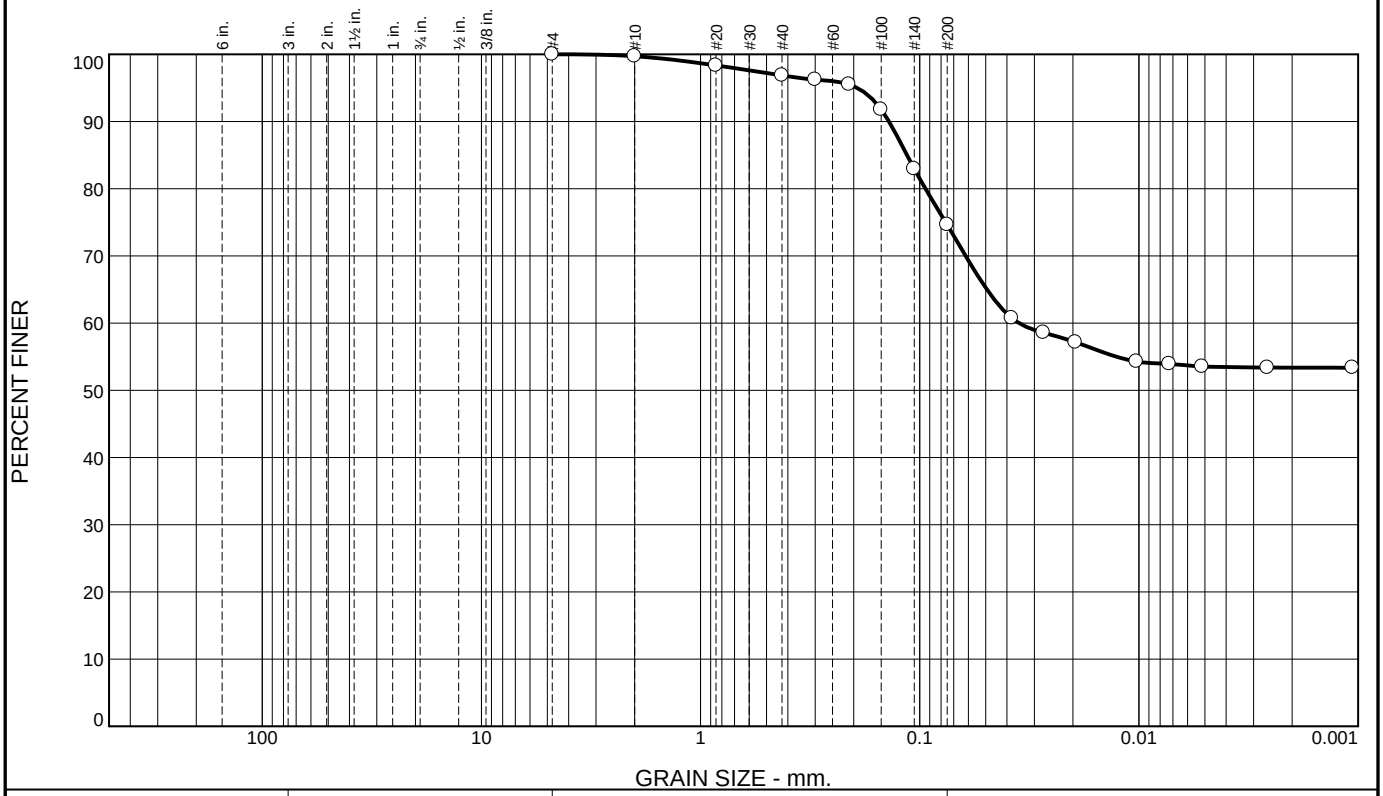
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.3 | 2.8 | 22.3 | 21.1 | 53.5 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.7 | | |
| #20 | 98.3 | | |
| #40 | 96.9 | | |
| #50 | 96.2 | | |
| #70 | 95.5 | | |
| #100 | 91.8 | | |
| #140 | 83.0 | | |
| #200 | 74.6 | | |
| 0.0380 mm. | 60.7 | | |
| 0.0273 mm. | 58.6 | | |
| 0.0195 mm. | 57.1 | | |
| 0.0102 mm. | 54.3 | | |
| 0.0073 mm. | 53.9 | | |
| 0.0052 mm. | 53.5 | | |
| 0.0026 mm. | 53.4 | | |
| 0.0011 mm. | 53.4 | | |

* (no specification provided)

**Soil Description**

Fat clay, little fine-grained quartz sand, little silt, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1382 $D_{85}$= 0.1144 $D_{60}$= 0.0353
$D_{50}$= $D_{30}$= $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= CH AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 38

**Date:** 3/23/2022

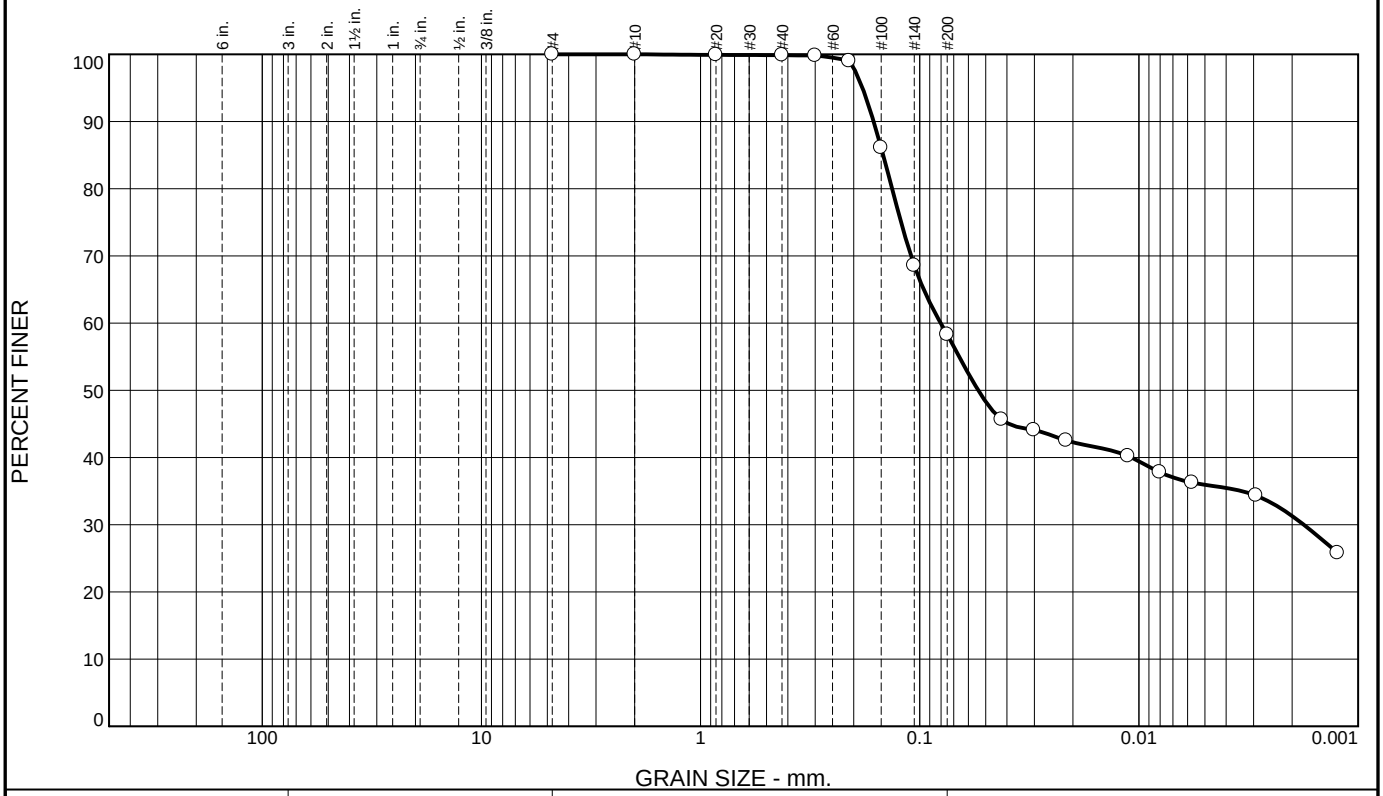
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** NEL **Checked By:** WFW

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 41.6 | 22.4 | 35.9 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.9 | | |
| #50 | 99.8 | | |
| #70 | 99.0 | | |
| #100 | 86.1 | | |
| #140 | 68.6 | | |
| #200 | 58.3 | | |
| 0.0423 mm. | 45.6 | | |
| 0.0301 mm. | 44.1 | | |
| 0.0215 mm. | 42.5 | | |
| 0.0112 mm. | 40.2 | | |
| 0.0080 mm. | 37.8 | | |
| 0.0057 mm. | 36.3 | | |
| 0.0029 mm. | 34.3 | | |
| 0.0012 mm. | 25.8 | | |

* (no specification provided)

**Soil Description**

Lean clay, some fine-grained quartz sand, little silt, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1623 $D_{85}$= 0.1469 $D_{60}$= 0.0802
$D_{50}$= 0.0541 $D_{30}$= 0.0018 $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= CL AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 40

**Date:** 3/22/2022

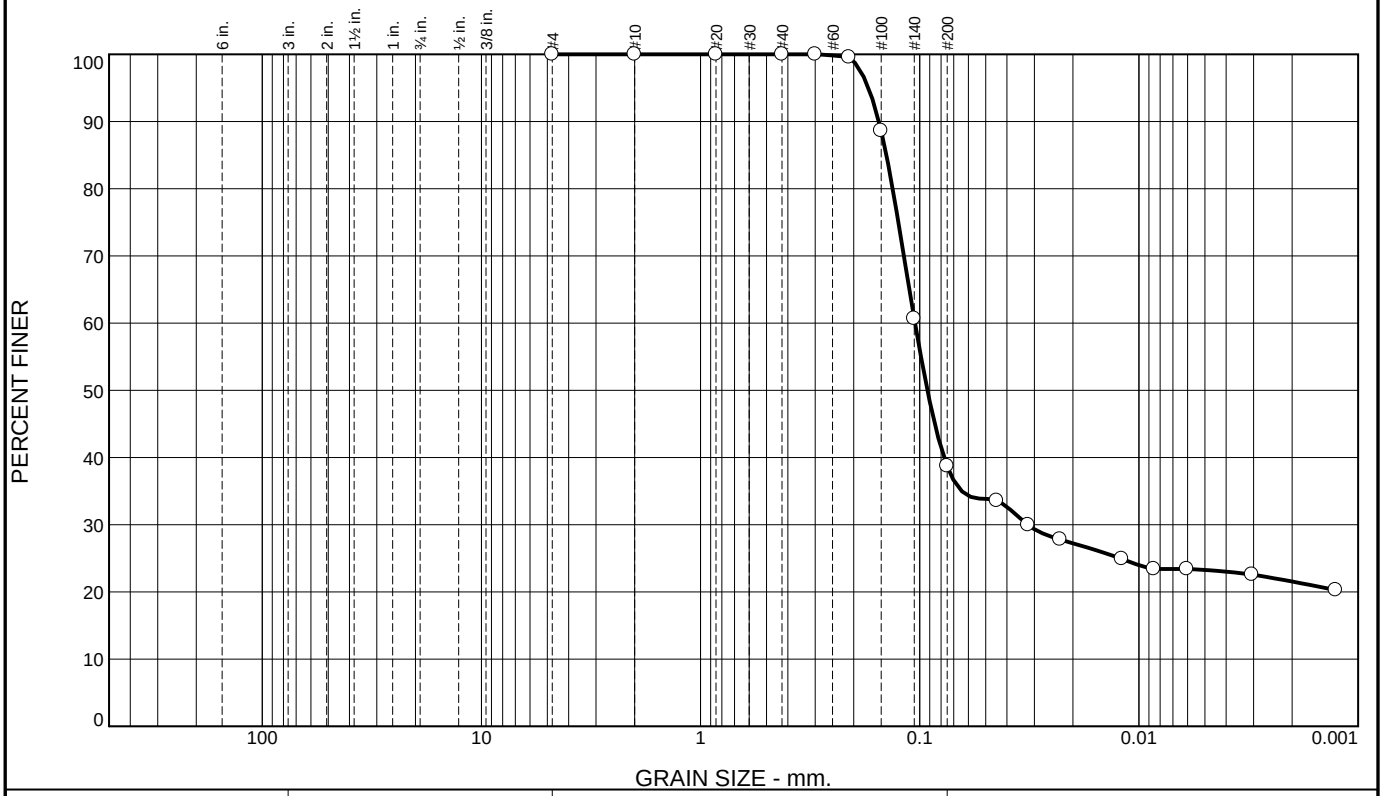
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 61.3 | 15.4 | 23.3 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 100.0 | | |
| #50 | 100.0 | | |
| #70 | 99.6 | | |
| #100 | 88.6 | | |
| #140 | 60.7 | | |
| #200 | 38.7 | | |
| 0.0445 mm. | 33.6 | | |
| 0.0320 mm. | 30.0 | | |
| 0.0229 mm. | 27.8 | | |
| 0.0120 mm. | 24.9 | | |
| 0.0085 mm. | 23.4 | | |
| 0.0060 mm. | 23.4 | | |
| 0.0030 mm. | 22.6 | | |
| 0.0013 mm. | 20.3 | | |

* (no specification provided)

**Soil Description**

Clayey sand, mostly fine-grained quartz sand, little clay, little silt, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1536 $D_{85}$= 0.1420 $D_{60}$= 0.1052
$D_{50}$= 0.0923 $D_{30}$= 0.0322 $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 41

**Date:** 3/24/2022

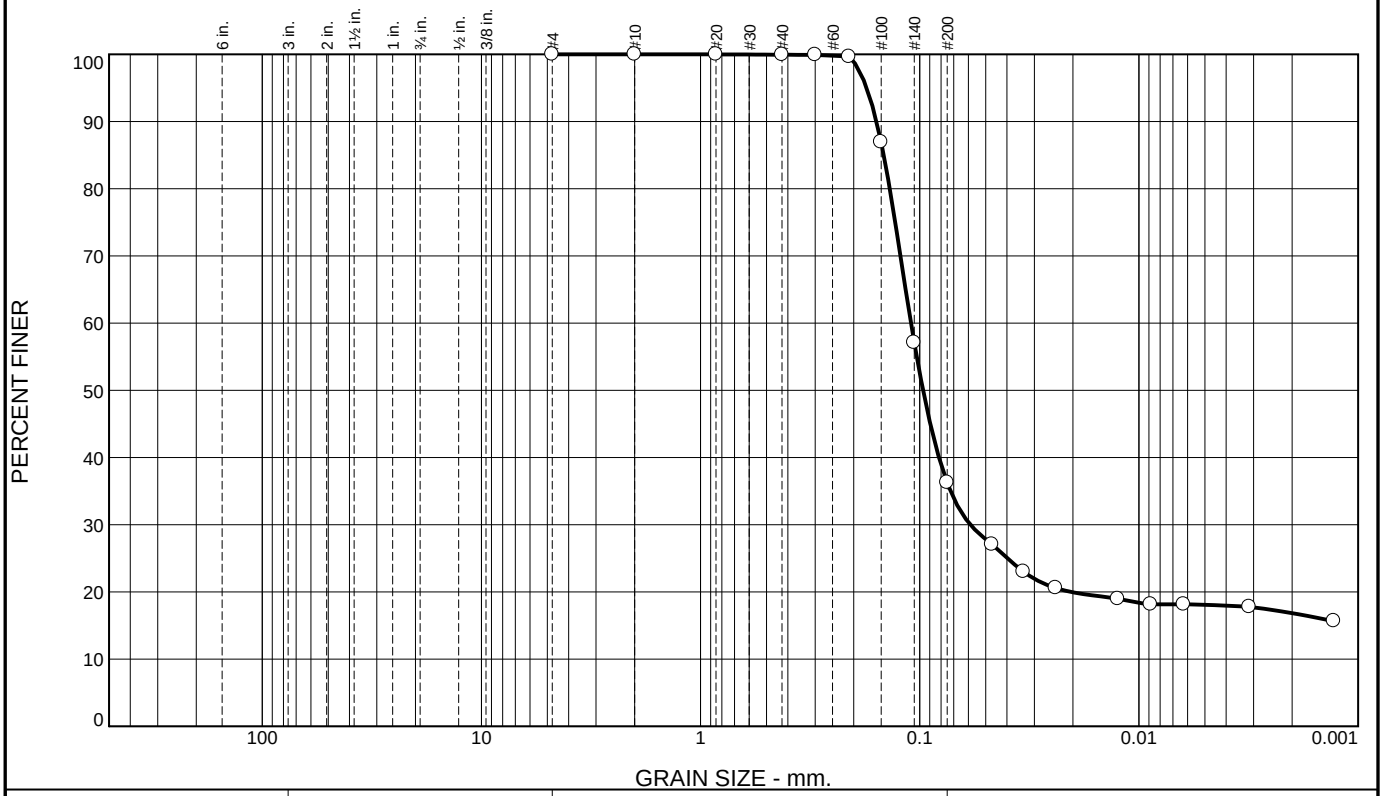
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 63.6 | 18.2 | 18.1 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 99.9 | | |
| #50 | 99.9 | | |
| #70 | 99.6 | | |
| #100 | 86.9 | | |
| #140 | 57.1 | | |
| #200 | 36.3 | | |
| 0.0468 mm. | 27.1 | | |
| 0.0336 mm. | 23.0 | | |
| 0.0240 mm. | 20.6 | | |
| 0.0125 mm. | 19.0 | | |
| 0.0088 mm. | 18.2 | | |
| 0.0063 mm. | 18.2 | | |
| 0.0031 mm. | 17.8 | | |
| 0.0013 mm. | 15.7 | | |

* (no specification provided)

**Soil Description**

Silty sand, mostly fine-grained quartz sand, little silt, little clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1574 $D_{85}$= 0.1460 $D_{60}$= 0.1097
$D_{50}$= 0.0966 $D_{30}$= 0.0588 $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 42

**Date:** 3/23/2022

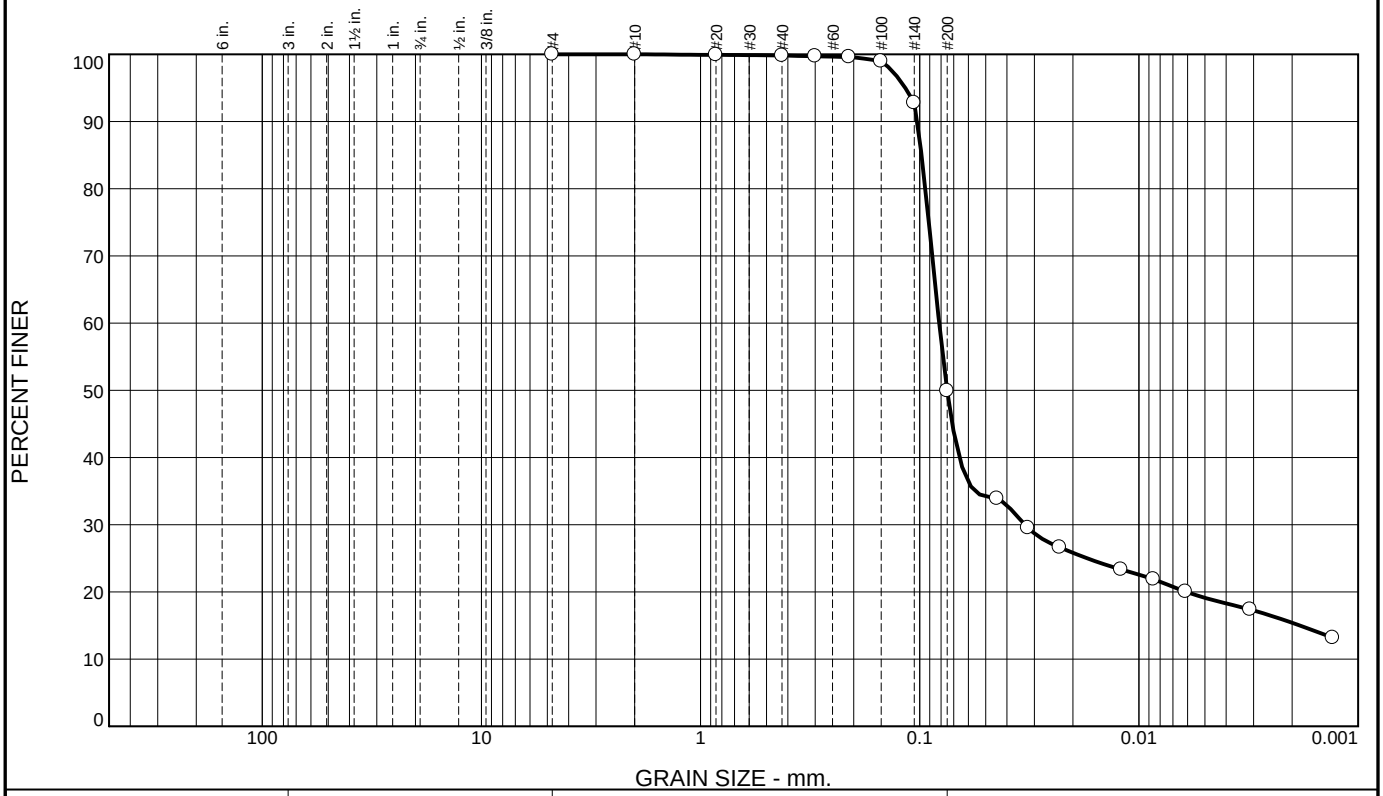
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 49.9 | 30.8 | 19.1 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.8 | | |
| #50 | 99.7 | | |
| #70 | 99.6 | | |
| #100 | 99.0 | | |
| #140 | 92.8 | | |
| #200 | 49.9 | | |
| 0.0444 mm. | 33.9 | | |
| 0.0321 mm. | 29.5 | | |
| 0.0230 mm. | 26.6 | | |
| 0.0121 mm. | 23.3 | | |
| 0.0086 mm. | 21.9 | | |
| 0.0061 mm. | 20.0 | | |
| 0.0031 mm. | 17.4 | | |
| 0.0013 mm. | 13.2 | | |

* (no specification provided)

**Soil Description**

Silty sand, mostly fine-grained quartz sand, some silt, little clay, light brown

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1028 $D_{85}$= 0.0982 $D_{60}$= 0.0815
$D_{50}$= 0.0750 $D_{30}$= 0.0331 $D_{15}$= 0.0018
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 43

**Date:** 3/24/2022

**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** NEL **Checked By:** WFW

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 2.4 | 4.7 | 5.9 | 79.7 | 1.4 | 5.9 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 97.6 | | |
| #10 | 92.9 | | |
| #20 | 88.5 | | |
| #40 | 87.0 | | |
| #50 | 85.7 | | |
| #70 | 74.8 | | |
| #100 | 44.2 | | |
| #140 | 18.2 | | |
| #200 | 7.3 | | |
| 0.0490 mm. | 7.1 | | |
| 0.0347 mm. | 6.9 | | |
| 0.0246 mm. | 6.7 | | |
| 0.0127 mm. | 6.7 | | |
| 0.0090 mm. | 6.7 | | |
| 0.0064 mm. | 6.0 | | |
| 0.0032 mm. | 5.7 | | |
| 0.0013 mm. | 5.6 | | |

* (no specification provided)

**Soil Description**

Sand, poorly graded, mostly fine-grained quartz sand, trace clay, trace fine gravel-size shell fragments, brown

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 1.2044 $D_{85}$= 0.2809 $D_{60}$= 0.1762
$D_{50}$= 0.1593 $D_{30}$= 0.1271 $D_{15}$= 0.0992
$D_{10}$= 0.0861 $C_u$= 2.05 $C_c$= 1.06

**Classification**

USCS= SP AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 44

**Date:** 3/24/2022

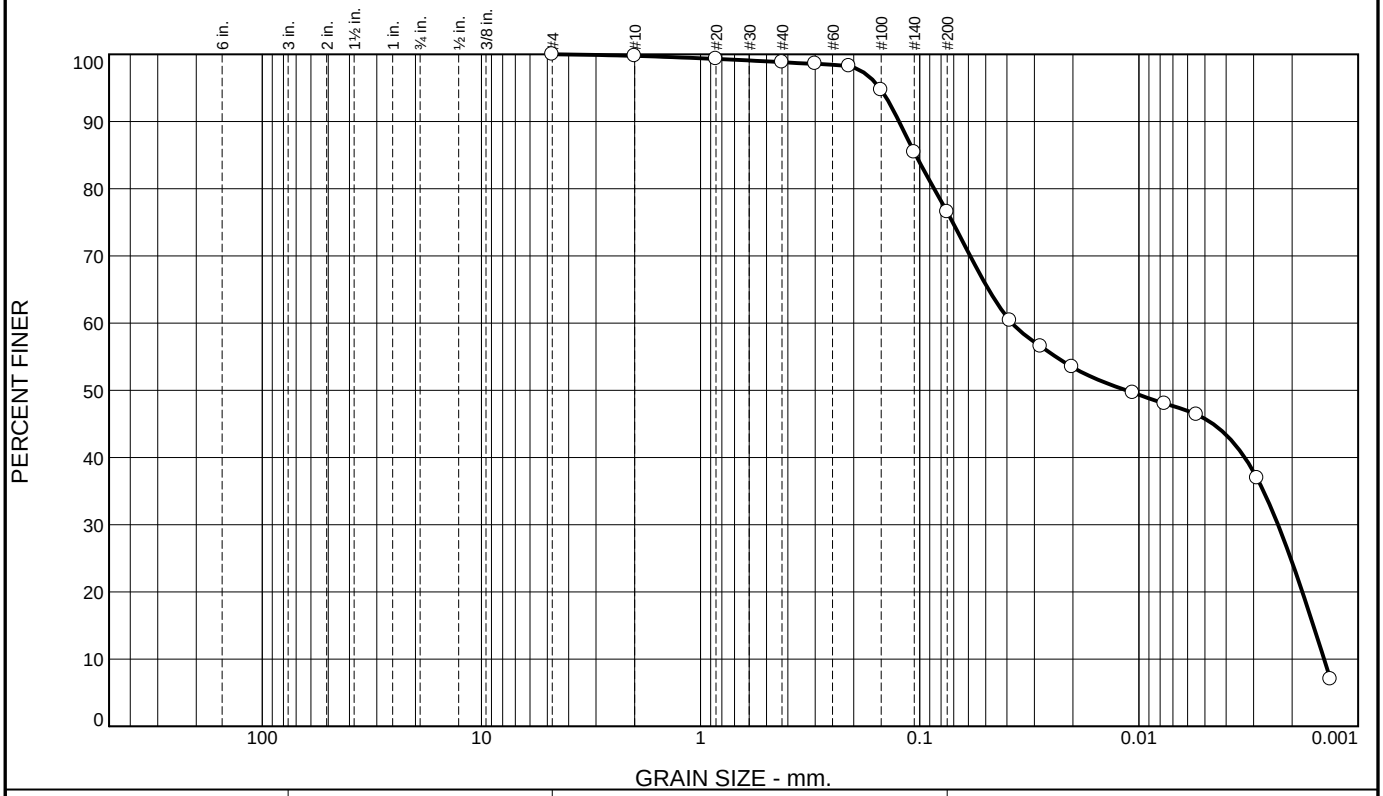
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** NEL **Checked By:** WFW

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 22.3 | 30.7 | 45.8 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.8 | | |
| #20 | 99.3 | | |
| #40 | 98.8 | | |
| #50 | 98.6 | | |
| #70 | 98.2 | | |
| #100 | 94.7 | | |
| #140 | 85.4 | | |
| #200 | 76.5 | | |
| 0.0388 mm. | 60.4 | | |
| 0.0281 mm. | 56.6 | | |
| 0.0202 mm. | 53.5 | | |
| 0.0107 mm. | 49.7 | | |
| 0.0076 mm. | 48.0 | | |
| 0.0055 mm. | 46.4 | | |
| 0.0029 mm. | 36.9 | | |
| 0.0013 mm. | 7.0 | | |

* (no specification provided)

**Soil Description**

Fat clay, some silt, little fine-grained quartz sand, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1243 $D_{85}$= 0.1043 $D_{60}$= 0.0379
$D_{50}$= 0.0114 $D_{30}$= 0.0023 $D_{15}$= 0.0016
$D_{10}$= 0.0014 $C_u$= 26.52 $C_c$= 0.10

**Classification**

USCS= CH AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 45

**Date:** 3/24/2022

**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

March 6, 2023

Ms. Monica Martin

Re: North Water District Laboratory Services, Inc. (NWDLS)
NWDLS Geosciences Lab Testing – Task Order #13
Project #23A1459

The Taylor Engineering Coastal & Marine Geosciences Laboratory is pleased to submit the following sediment data for NWDLS project #23A1459. Taylor Engineering received 33 samples for analysis in Jacksonville, Florida on February 1st, 2023. Laboratory testing for project #23A1459 included sieve and hydrometer analysis according to ASTM D-422. Attached to this letter are the individual test results for each sample.

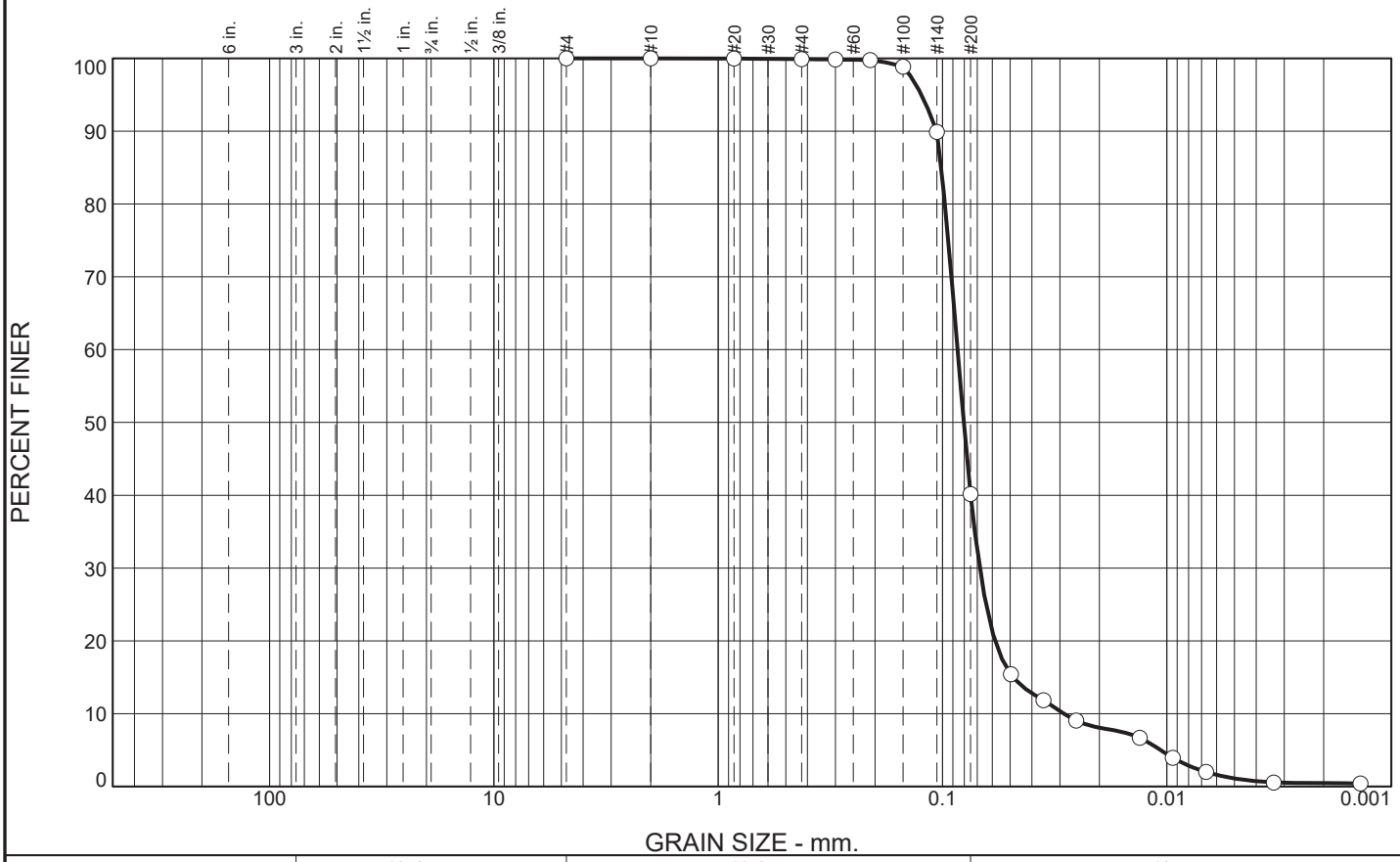
If any additional information is needed or if you have any questions, please contact me at (904) 731-7040 or nlamb@taylorengineering.com.

Sincerely,

Natalie Lamb

Natalie Lamb, G.I.T.
Staff Geologist
Coastal & Marine Geosciences Lab Assistant Manager

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 59.7 | 39.1 | 1.1 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 99.9 | | |
| #50 | 99.9 | | |
| #70 | 99.8 | | |
| #100 | 98.9 | | |
| #140 | 89.9 | | |
| #200 | 40.2 | | |
| 0.0496 mm. | 15.4 | | |
| 0.0355 mm. | 11.8 | | |
| 0.0254 mm. | 9.1 | | |
| 0.0132 mm. | 6.7 | | |
| 0.0094 mm. | 3.9 | | |
| 0.0067 mm. | 2.0 | | |
| 0.0033 mm. | 0.5 | | |
| 0.0014 mm. | 0.4 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1063 $D_{85}$= 0.1014 $D_{60}$= 0.0857
$D_{50}$= 0.0804 $D_{30}$= 0.0683 $D_{15}$= 0.0484
$D_{10}$= 0.0288 $C_u$= 2.98 $C_c$= 1.89

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459 Reference
**Sample Number:** 47

**Date:** 3/6/2023

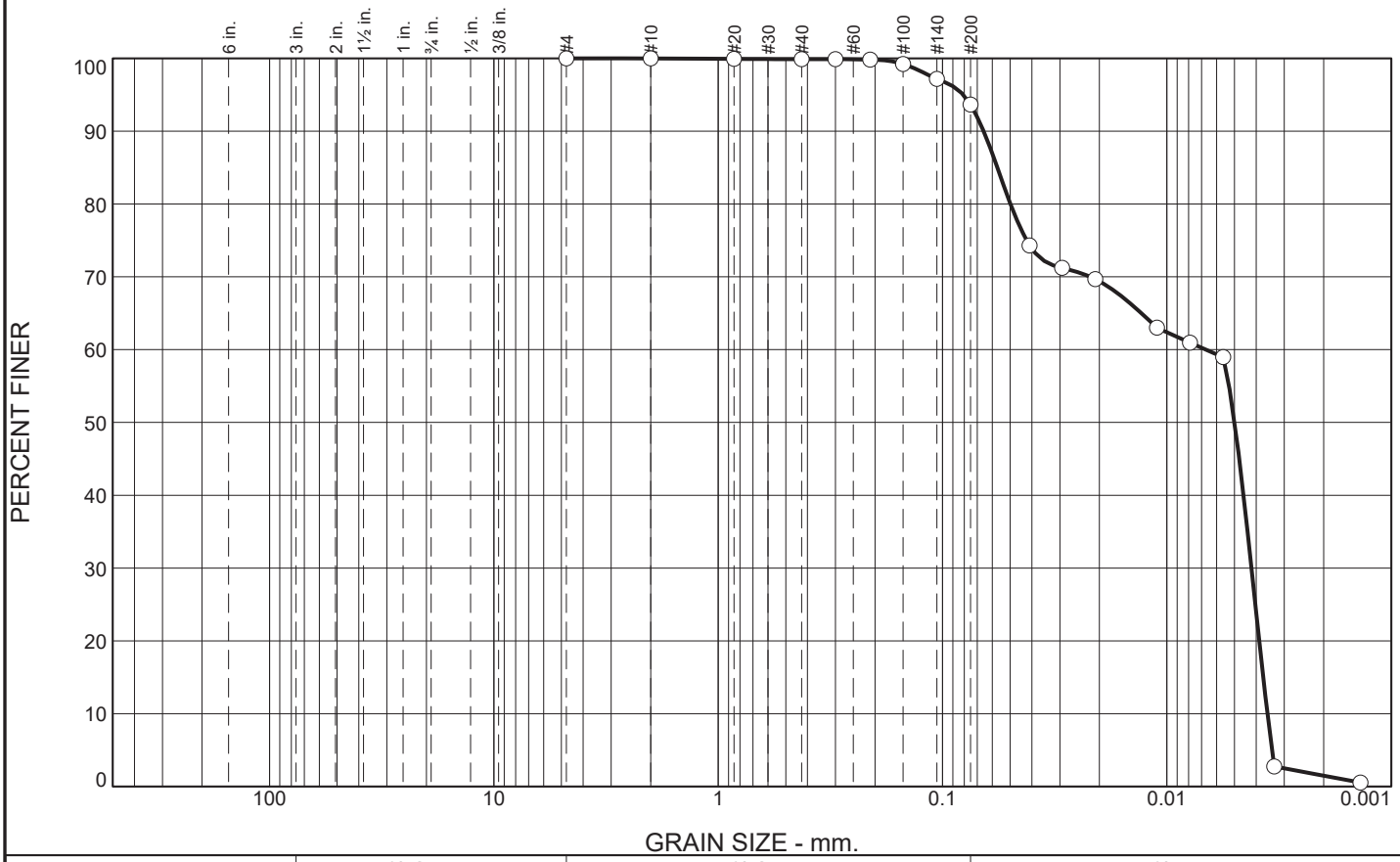
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 6.2 | 43.5 | 50.2 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.9 | | |
| #50 | 99.9 | | |
| #70 | 99.8 | | |
| #100 | 99.2 | | |
| #140 | 97.2 | | |
| #200 | 93.7 | | |
| 0.0409 mm. | 74.3 | | |
| 0.0293 mm. | 71.2 | | |
| 0.0209 mm. | 69.7 | | |
| 0.0111 mm. | 63.0 | | |
| 0.0079 mm. | 61.0 | | |
| 0.0056 mm. | 59.0 | | |
| 0.0033 mm. | 2.7 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Clay, lean, some silt, few fine-grained sand-sized quartz, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.0656 $D_{85}$= 0.0570 $D_{60}$= 0.0067
$D_{50}$= 0.0050 $D_{30}$= 0.0042 $D_{15}$= 0.0037
$D_{10}$= 0.0036 $C_u$= 1.88 $C_c$= 0.74

**Classification**

USCS= CL AASHTO=

**Remarks**

**Source of Sample:** 23A1459 CDP-06-6A
**Sample Number:** 54

**Date:** 3/6/2023

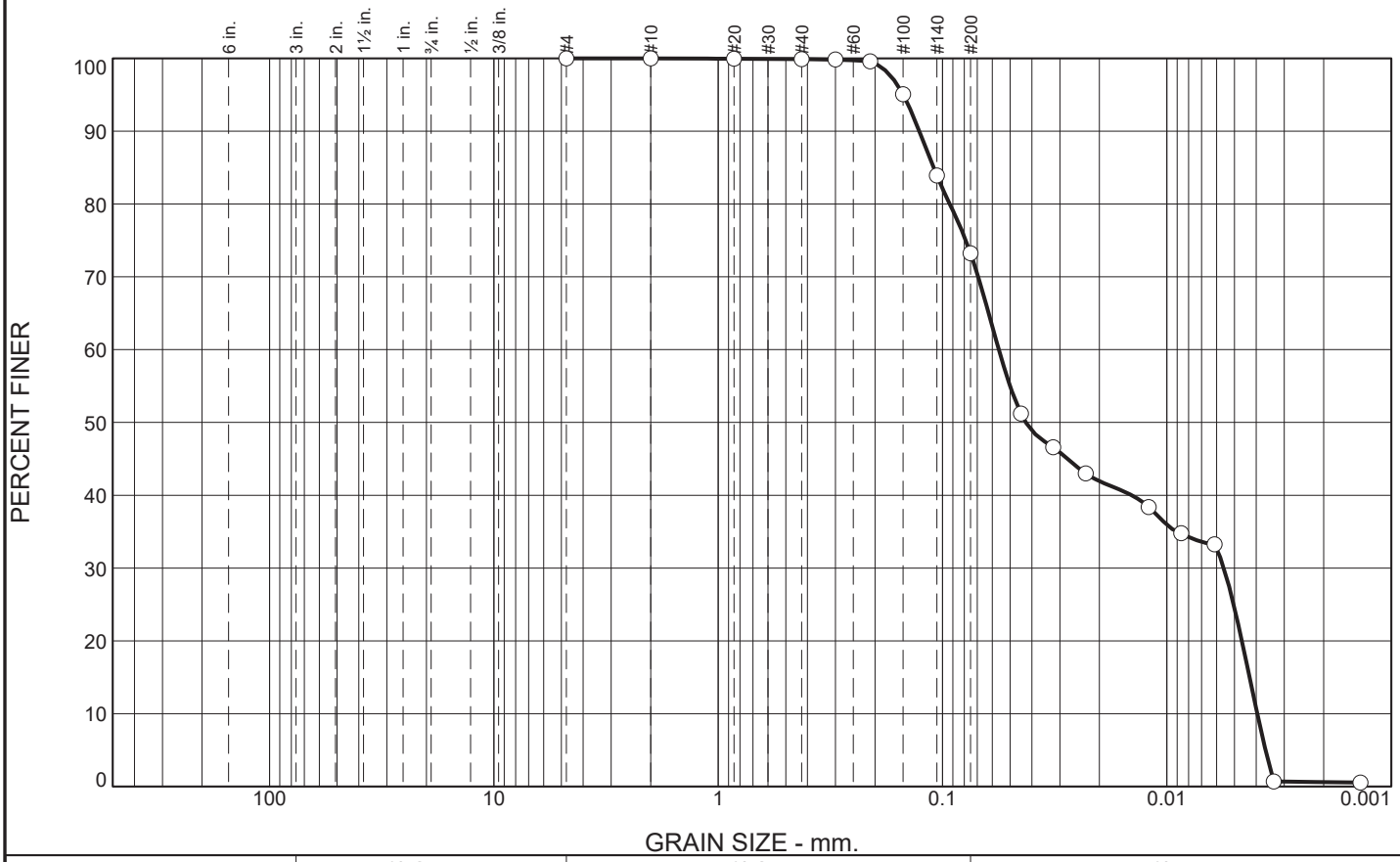
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 26.7 | 48.7 | 24.5 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 99.9 | | |
| #50 | 99.9 | | |
| #70 | 99.6 | | |
| #100 | 95.1 | | |
| #140 | 83.9 | | |
| #200 | 73.2 | | |
| 0.0447 mm. | 51.2 | | |
| 0.0321 mm. | 46.6 | | |
| 0.0230 mm. | 43.0 | | |
| 0.0121 mm. | 38.4 | | |
| 0.0086 mm. | 34.8 | | |
| 0.0061 mm. | 33.3 | | |
| 0.0033 mm. | 0.7 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Silt, little fine-grained sand-sized quartz, little clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1270 $D_{85}$= 0.1096 $D_{60}$= 0.0561
$D_{50}$= 0.0425 $D_{30}$= 0.0056 $D_{15}$= 0.0043
$D_{10}$= 0.0040 $C_u$= 14.18 $C_c$= 0.14

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 23A1459 CDP-06-6B
**Sample Number:** 55

**Date:** 3/6/2023

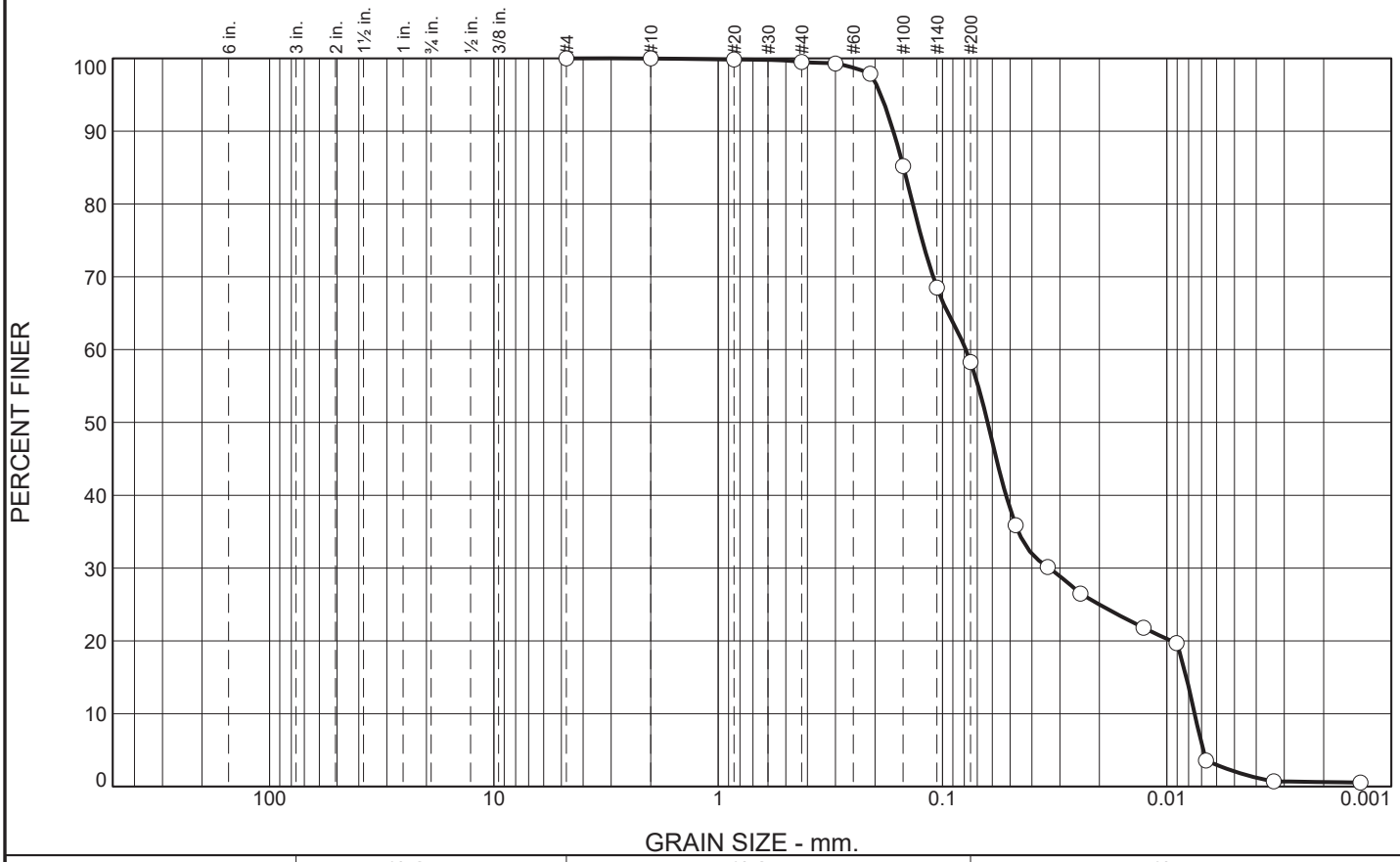
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 41.2 | 56.2 | 2.1 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.5 | | |
| #50 | 99.3 | | |
| #70 | 97.9 | | |
| #100 | 85.2 | | |
| #140 | 68.5 | | |
| #200 | 58.3 | | |
| 0.0472 mm. | 35.9 | | |
| 0.0340 mm. | 30.1 | | |
| 0.0243 mm. | 26.5 | | |
| 0.0127 mm. | 21.8 | | |
| 0.0091 mm. | 19.7 | | |
| 0.0067 mm. | 3.6 | | |
| 0.0033 mm. | 0.7 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Silt, some fine-grained sand-sized quartz, trace clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1658 $D_{85}$= 0.1493 $D_{60}$= 0.0787
$D_{50}$= 0.0631 $D_{30}$= 0.0335 $D_{15}$= 0.0082
$D_{10}$= 0.0075 $C_u$= 10.46 $C_c$= 1.90

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 23A1459 CDP-06-6C
**Sample Number:** 56

**Date:** 3/6/2023

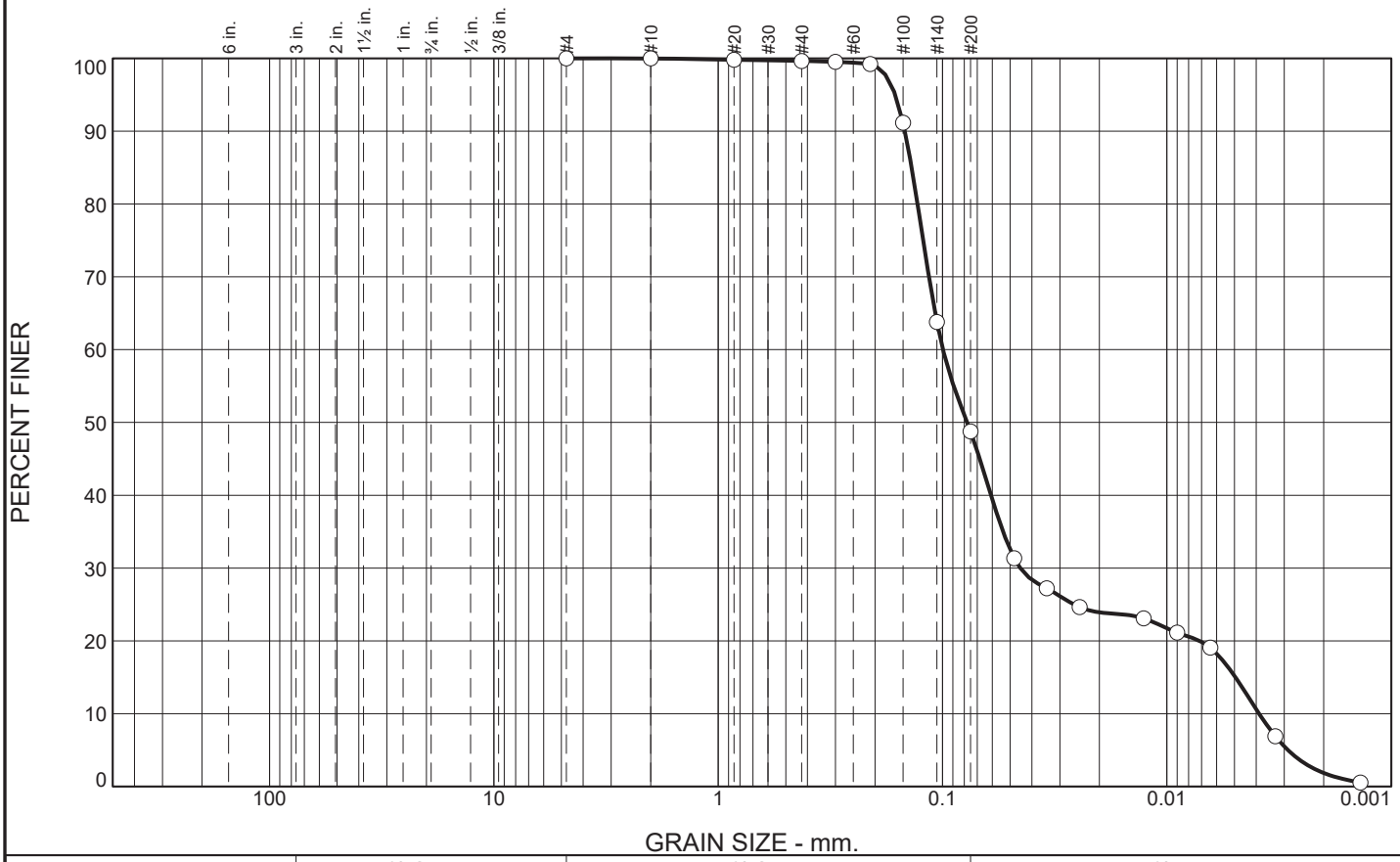
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 50.8 | 33.6 | 15.2 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.8 | | |
| #40 | 99.6 | | |
| #50 | 99.5 | | |
| #70 | 99.2 | | |
| #100 | 91.2 | | |
| #140 | 63.8 | | |
| #200 | 48.8 | | |
| 0.0479 mm. | 31.4 | | |
| 0.0343 mm. | 27.2 | | |
| 0.0245 mm. | 24.6 | | |
| 0.0127 mm. | 23.1 | | |
| 0.0090 mm. | 21.1 | | |
| 0.0064 mm. | 19.1 | | |
| 0.0033 mm. | 6.9 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, little clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1472 $D_{85}$= 0.1373 $D_{60}$= 0.0995
$D_{50}$= 0.0776 $D_{30}$= 0.0451 $D_{15}$= 0.0050
$D_{10}$= 0.0039 $C_u$= 25.66 $C_c$= 5.26

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459 CDP-07-7A
**Sample Number:** 58

**Date:** 3/6/2023

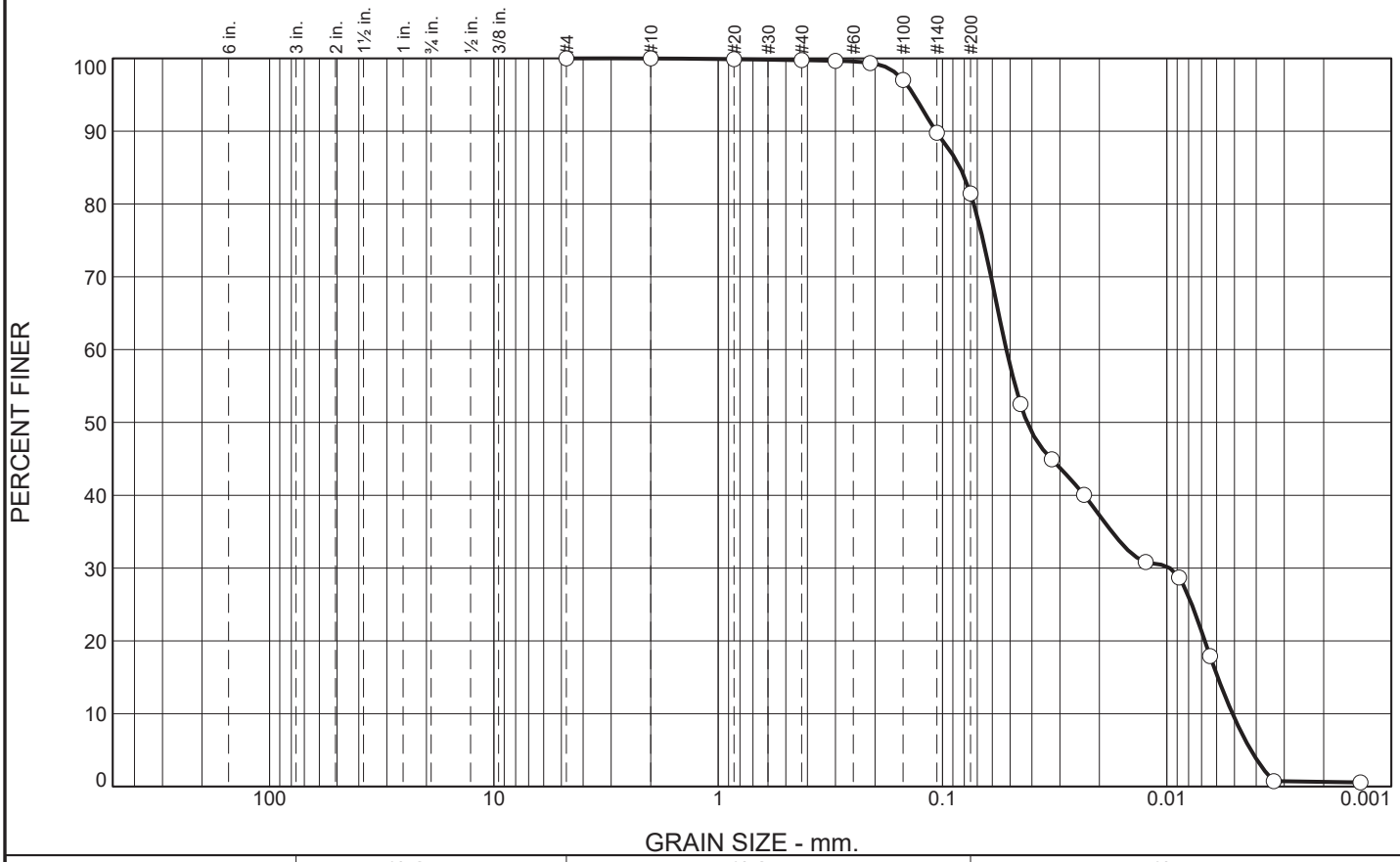
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 18.4 | 72.0 | 9.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.8 | | |
| #50 | 99.7 | | |
| #70 | 99.4 | | |
| #100 | 97.0 | | |
| #140 | 89.8 | | |
| #200 | 81.4 | | |
| 0.0450 mm. | 52.5 | | |
| 0.0326 mm. | 44.9 | | |
| 0.0234 mm. | 40.0 | | |
| 0.0124 mm. | 30.8 | | |
| 0.0088 mm. | 28.7 | | |
| 0.0064 mm. | 17.9 | | |
| 0.0033 mm. | 0.7 | | |
| 0.0014 mm. | 0.6 | | |

* (no specification provided)

**Soil Description**

Silt, little fine-grained sand-sized quartz, few clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1071 $D_{85}$= 0.0834 $D_{60}$= 0.0519
$D_{50}$= 0.0420 $D_{30}$= 0.0097 $D_{15}$= 0.0059
$D_{10}$= 0.0051 $C_u$= 10.18 $C_c$= 0.36

**Classification**

USCS= ML AASHTO=

**Remarks**

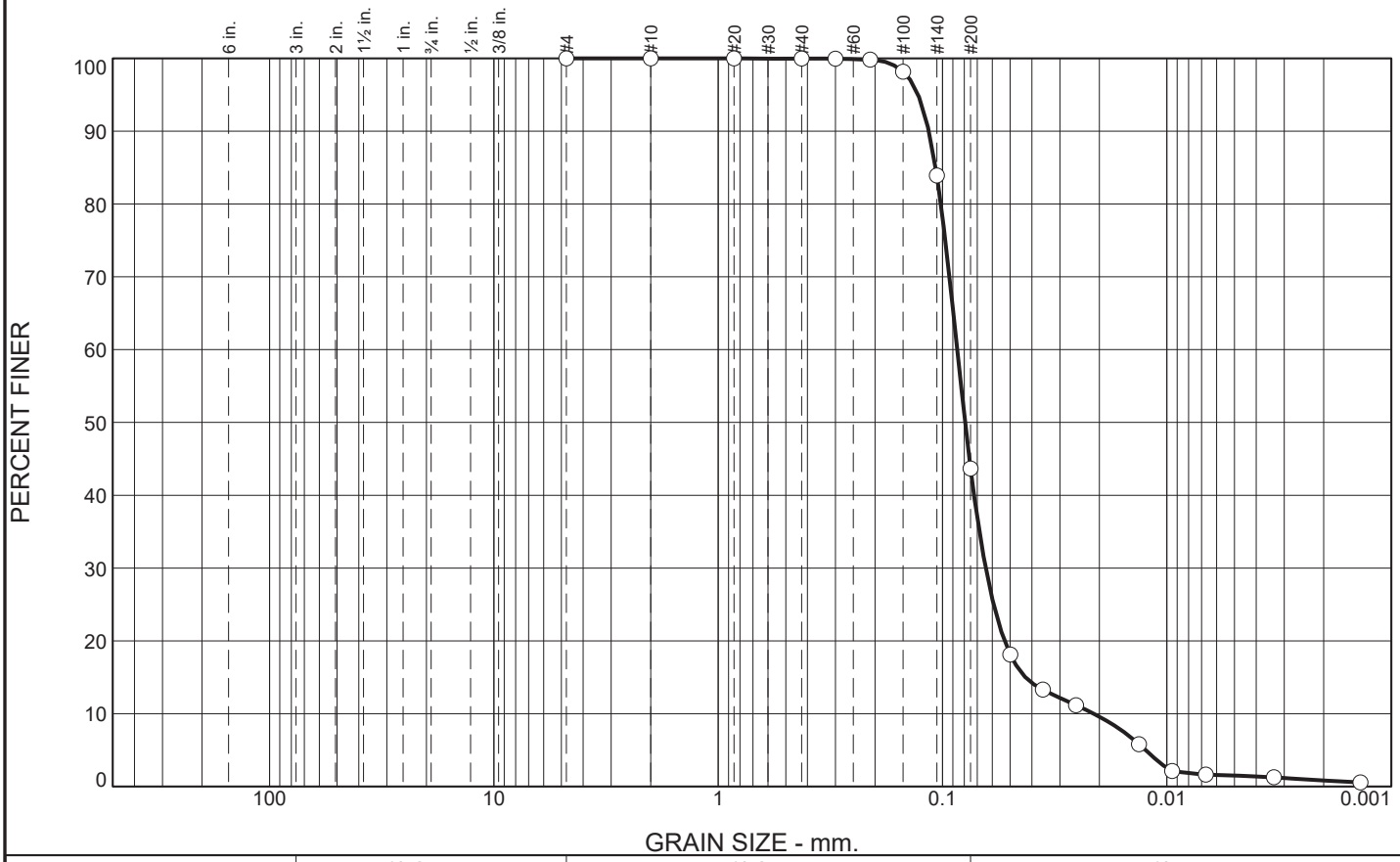
**Source of Sample:** 23A1459 CDP-07-7C **Date:** 3/6/2023
**Sample Number:** 59

**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459
**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56.3 | 42.2 | 1.5 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 100.0 | | |
| #50 | 100.0 | | |
| #70 | 99.8 | | |
| #100 | 98.2 | | |
| #140 | 83.9 | | |
| #200 | 43.7 | | |
| 0.0499 mm. | 18.1 | | |
| 0.0357 mm. | 13.3 | | |
| 0.0254 mm. | 11.2 | | |
| 0.0133 mm. | 5.8 | | |
| 0.0095 mm. | 2.1 | | |
| 0.0067 mm. | 1.6 | | |
| 0.0033 mm. | 1.3 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1151 $D_{85}$= 0.1073 $D_{60}$= 0.0860
$D_{50}$= 0.0793 $D_{30}$= 0.0642 $D_{15}$= 0.0428
$D_{10}$= 0.0212 $C_u$= 4.05 $C_c$= 2.26

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459 **Sample Number:** 60 CDP-DUP

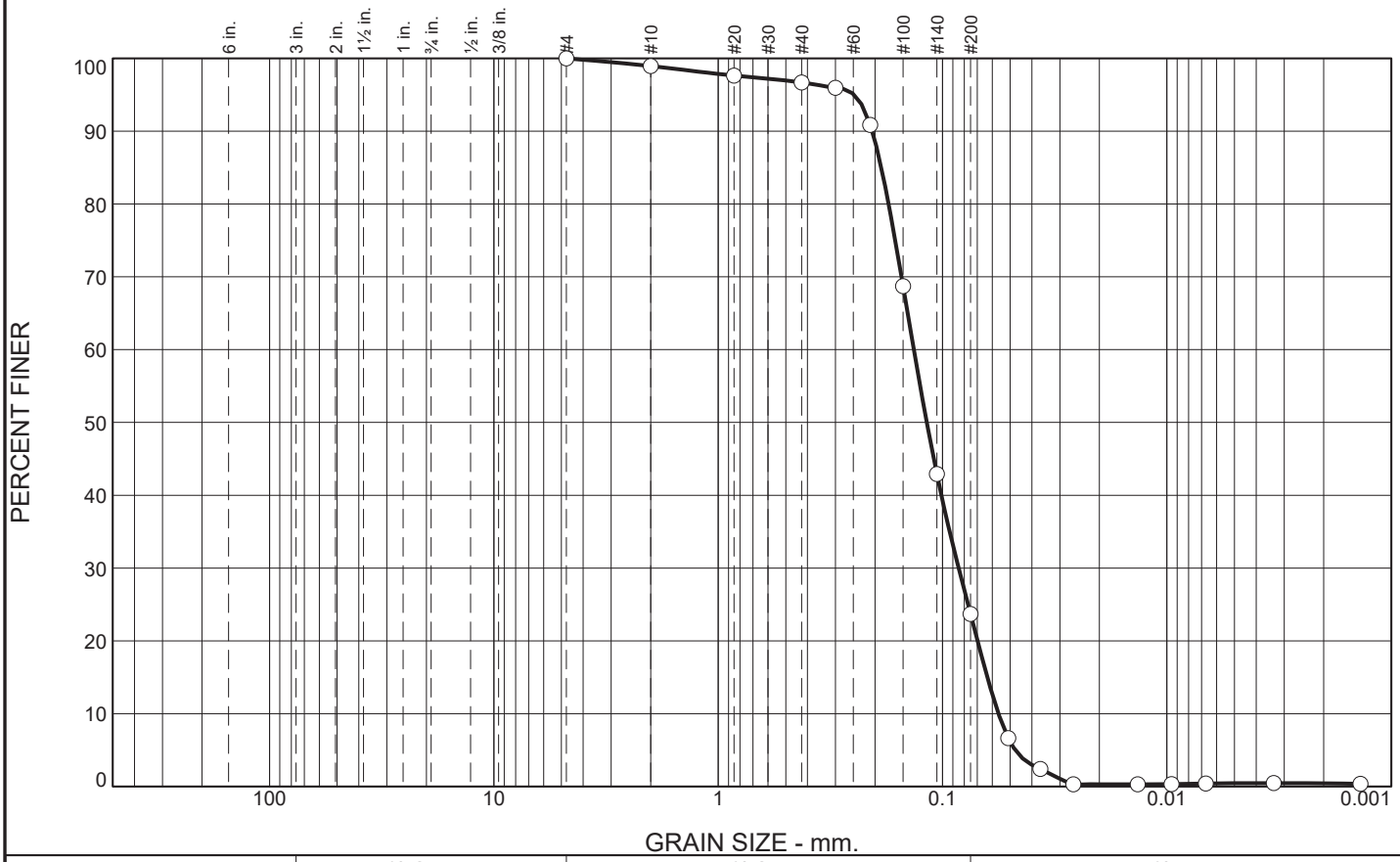
**Date:** 3/6/2023

**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459
**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 1.0 | 2.3 | 73.0 | 23.3 | 0.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.0 | | |
| #20 | 97.6 | | |
| #40 | 96.7 | | |
| #50 | 96.0 | | |
| #70 | 90.9 | | |
| #100 | 68.7 | | |
| #140 | 42.9 | | |
| #200 | 23.7 | | |
| 0.0510 mm. | 6.6 | | |
| 0.0367 mm. | 2.4 | | |
| 0.0261 mm. | 0.3 | | |
| 0.0135 mm. | 0.3 | | |
| 0.0095 mm. | 0.3 | | |
| 0.0067 mm. | 0.4 | | |
| 0.0033 mm. | 0.5 | | |
| 0.0014 mm. | 0.4 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.2058 $D_{85}$= 0.1875 $D_{60}$= 0.1342
$D_{50}$= 0.1175 $D_{30}$= 0.0847 $D_{15}$= 0.0632
$D_{10}$= 0.0564 $C_u$= 2.38 $C_c$= 0.95

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459 ODMDS
**Sample Number:** 66

**Date:** 3/6/2023

**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# APPENDIX D

## CHEMICAL QUALITY ASSURANCE REPORT

# EPA Region 6
# Data Review and Validation Requirements
# Dredged Material Disposal Evaluation

**Project:** PCCA CDP Inner Harbor Section 103

Project Initiation Date: November 16, 2021

Project Sampling Dates:

Begin: February 11, 2022

End: March 3, 2022

Final Report Date:

Final Review Date: October 5, 2022

*Data acceptable (Y/N):*

If data unacceptable summarize issues to be addressed:

*I certify the review in this document conforms to all applicable regulatory and project-specific requirements.*



QA Officer

# Laboratory Information

Use one sheet for each laboratory that will perform analytical work for this project.

Laboratory Name/Identification: North Water District Laboratory Services

Is lab NELAC certified? Yes/No If Yes, please supply certification number TCEQ T104704238-21-33

**Can lab meet the QC requirements below as specified in the SAP/QAPP?**

| Yes/No | |
|---|---|
| Yes | Analytical requirement |
| Yes | Instrumentation |
| Yes | MDL's meet project TDL requirements |
| Yes | Precision and accuracy |
| Yes | Required turnaround time |

Note below any requirements the laboratory is unable to meet.

# List of Acronyms

| | |
|---|---|
| CCV | continuing calibration verification |
| IC | initial calibration |
| ICB | initial calibration blank |
| ICV | initial calibration verification |
| IS | internal standard |
| LCS/DLCS | laboratory control sample/duplicate laboratory control sample |
| LDR | linear dynamic range |
| LFB | laboratory fortified blank |
| MB | method blank |
| MDL | method detection limit |
| MN | *Macoma nasuta* |
| MS/MSD | matrix spike/matrix spike duplicate |
| NV | *Neanthes virens* |
| RL | reporting limit |
| SAP/QAPP | Sampling and Analysis Plan/Quality Assurance Project Plan |
| RIA | EPA Region 6 - Regional Implementation Manual |
| SRM | standard reference material |

# Sample Custody

Was all required information on the chain-of-custody form:

| (Yes/No) | |
|---|---|
| Yes | Did chain of custody forms accompany samples to subcontract lab? |
| Yes | Is the project identification on the chain of custody? |
| No | Are the analyses requested printed on the sample containers? |
| Yes | Were all samples correctly identified? |
| Yes | Were the analyses correctly identified on the chain of custody or an attached document listed on the chain of custody? |
| Yes | Were sample dates and times listed on the chain of custody? |
| Yes | Were the chains of custody signed by both the relinquisher and receiver of the samples? |
| See note | Was the carrier identified on the chain of custody? |
| Yes | If more than one chain of custody was needed for samples, are the chains of custody clearly numbered? |
| See note | Were samples packed on wet ice, with an expected receipt temperature of 4 ± 2°C? |
| NA | Were any sample conditions or irregularities (broken bottles, improper temperature) noted on the chain of custody or accompanying paperwork? |
| Yes | Was the chain of custody submitted as part of the report to the primary contractor? |
| Yes | Were all requested analyses performed? |
| Yes | Was adequate sample volume provided to the contractor lab? |
| NA | If any anomalous behavior of the samples was found, was it noted in the lab case narrative? |

Additional sample custody issues or deficiencies:

Samples were logged in prior to field sampling. The login printout acted as the chain of custody for the samples.

Samples were delivered directly to lab from field team.

Samples were stored in a refrigerated trailer with a temperature of 4 ± 2°C, no wet ice was used.

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter: Metals** (e.g. Silver, Arsenic)

**List Metals Analyzed: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn, Cr(III), Cr(VI)**

**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: 6020, 7471**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | See note | Several blanks had exceedances above the lab reporting limit for zinc. The exeedances are below the target detection limit in the SAP. | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specifc spike recovery and RSD precision limits | N | Zinc and lead had exceedances for one spike, indicating a potential matrix interferent in the sample. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Sample/supplier-specific recovery limits | NA | See LCS | |
| LCS/LFB | 1 per 20 samples or 1 per batch up to 20 samples | Method-specific spike recovery limits | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | Minimum - check calibration at middle and end of each batch or 1 per 10 analyses, whichever is greater | Method-specific recovery limits | Y | | |
| LDR | Verify LDR once per quarter for ICP analyses and one time for mercury analysis | | NA | Not provided by lab | |
| IC | Verify initial calibration for AA and mercury analysis performed daily | Method-specific calibration requirements | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter: Metals** (e.g. Silver, Arsenic)

**List Metals Analyzed: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn, Cr(III), Cr(VI)**

**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: 6020, 7470**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | Y | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Sample/supplier-specific recovery limits | NA | See LCS | |
| LCS/LFB | 1 per 20 samples or 1 per batch up to 20 samples | Method-specific spike recovery limits | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | Minimum - check calibration at middle and end of each batch or 1 per 10 analyses, whichever is greater | Method-specific recovery limits | Y | | |
| LDR | Verify LDR once per quarter for ICP analyses and one time for mercury analysis | | NA | Not provided by lab | |
| IC | Verify initial calibration for AA and mercury analysis performed daily | Method-specific calibration requirements | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter: Metals** (e.g. Silver, Arsenic)

**List Metals Analyzed: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn, Cr(III), Cr(VI)**

**Matrix:** ☐ Sediment ☐ Water/Elutriate ☑ Tissue

**Analytical Method Used: 6020, 7471**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | Several spike recoveries were slightly outside the lab acceptance criteria. This indicates a potential matrix inteference from the tissue. The exceedances were small and the overall impact is low. Additional information may be found in the report risk assessment. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Sample/supplier-specific recovery limits | NA | See LCS | |
| LCS/LFB | 1 per 20 samples or 1 per batch up to 20 samples | Method-specific spike recovery limits | Y | | |
| ICV | Immediately following calibration curve | Method-specific spike recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | Minimum - check calibration at middle and end of each batch or 1 per 10 analyses, whichever is greater | Method-specific spike recovery limits | Y | | |
| LDR | Verify LDR once per quarter for ICP analyses and one time for mercury analysis | | NA | Not provided by lab | |
| IC | Verify initial calibration for AA and mercury analysis performed daily | Method-specific calibration requirements | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter:** ☐ PAHs ☑ Pesticides ☐ PCBs
**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8081**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | Several spikes were outside the lab acceptance criteria, indicating a potential matrix inteference in the samples. Most of the spikes and spike duplicates were within the laboratory acceptance criteria. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | Y | | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter:** ☐ PAHs ☑ Pesticides ☐ PCBs
**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8081**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | Several spikes were outside the lab acceptance criteria, indicating a potential matrix inteference in the samples. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | N | Several surrogates were outside the standard acceptance criteria, primarily in the QC samples. The exceedances were generally small and should have low impact on the overall sample results. | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter:** ☐ PAHs ☐ Pesticides ☑ PCBs
**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8082**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | Y | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | Y | | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter:** ☐ PAHs ☐ Pesticides ☑ PCBs
**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8082**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | Y | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | Y | | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter:** ☑ PAHs ☐ Pesticides ☐ PCBs
**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8270**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | See note | Several blanks had slight exceedances above the reporting limit. The compounds do not have screening criteria, and the overall impact on the sample results is low to none. | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | Several spikes were outside the lab acceptance criteria, indicating a potential matrix inteference in the samples. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | N | Use LCS for SRM. Several compounds had exceedances outside the laboratory acceptance criteria. The exceedances were generally small, indicating the impact on the project samples is low. | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | Y | | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter:** ☑ PAHs ☐ Pesticides ☐ PCBs
**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8270**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | Several spikes were outside the lab acceptance criteria, indicating a potential matrix inteference in the samples. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | Use LCS for SRM. | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | N | Several surrogates were outside the standard acceptance criteria, primarily in the QC samples. The exceedances were generally small and should have low impact on the overall sample results. | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter:** ☑ PAHs ☐ Pesticides ☐ PCBs
**Matrix:** ☐ Sediment ☐ Water/Elutriate ☑ Tissue

**Analytical Method Used: 8270**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | N | Due to the use of a tissue for the generation of lab QC, many of the recoveries were outside laboratory acceptance protocols. This is a requirement from TCEQ and the results should be usable for evaluation. The risk assessment section of the evaluation report also provides information about the final results. | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | N | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | See note | Numerous surrogates were outside the acceptance criteria, likely due to matrix interferences from the tissue. A discussion of the tissue results may be found in section 3 of the sediment testing report which includes a risk assessment. | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter:** ☐ PAHs ☐ Pesticides ☐ PCBs ☑ SVOCs
**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8270**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | See note | Several blanks had slight exceedances above the reporting limit. The compounds do not have screening criteria, and the overall impact on the sample results is low to none, given that nearly all sample results were below the reporting limit. | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | Several spikes were outside the lab acceptance criteria, indicating a potential matrix inteference in the samples. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | N | Use LCS for SRM. Several compounds had exceedances outside the laboratory acceptance criteria. The exceedances were generally small, indicating the impact on the project samples is low. | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes except n-Nitrosodiphenylamine were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | Y | | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter:** ☐ PAHs ☐ Pesticides ☐ PCBs ☑ SVOCs
**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8270**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | See note | Several blanks had slight exceedances above the reporting limit. The compounds do not have screening criteria, and the overall impact on the sample results is low to none, given that nearly all sample results were below the reporting limit. | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | Several spikes were outside the lab acceptance criteria, indicating a potential matrix inteference in the samples. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | N | Use LCS for SRM. Several compounds had exceedances outside the laboratory acceptance criteria. The exceedances were generally small, indicating the impact on the project samples is low. | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | N | Several surrogates were outside the standard acceptance criteria, primarily in the QC samples. The exceedances were generally small and should have low impact on the overall sample results. | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/28/22**

**Parameter:** ☐ PAHs ☐ Pesticides ☐ PCBs ☑ SVOCs
**Matrix:** ☐ Sediment ☐ Water/Elutriate ☑ Tissue

**Analytical Method Used: 8270**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | N | Due to the use of a tissue for the generation of lab QC, many of the recoveries were outside laboratory acceptance protocols. This is a requirement from TCEQ and the results should be usable for evaluation. The risk assessment section of the evaluation report also provides information about the final results. | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | N | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | See note | Numerous surrogates were outside the acceptance criteria, likely due to matrix interferences from the tissue. A discussion of the tissue results may be found in section 3 of the sediment testing report which includes a risk assessment. | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**
**Reviewed by: PLB**
**Review Date: 9/28/22**

**Parameter: Tributyltins**
**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: Krone**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments |
|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | |
| MS/MSD/MST | 1 set per 20 samples or per batch | 40% | N | Several spikes had exceedances outside the lab acceptance criteria, indicating a likely matrix interference in the samples. |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | |
| ICV | Immediately following calibration curve | 75-125% | Y | Verification standards not provided, but lab case narrative indicates that all analytes were acceptable. |
| CCV | At the beginning of every 12 hours of analysis | 75-125% | Y | |
| Surrogates | Every sample | 20-150% | Y | |
| IC | Verify after each initial calibration | <20% RSD | Y | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab |

**Project Identification: PCCA CDP Inner Harbor**
**Reviewed by: PLB**
**Review Date: 9/28/22**

**Parameter: Tributyltins**
**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: Krone**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments |
|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | |
| MS/MSD/MST | 1 set per 20 samples or per batch | 40% | Y | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | |
| ICV | Immediately following calibration curve | 75-125% | Y | Verification standards not provided, but lab case narrative indicates that all analytes were acceptable. |
| CCV | At the beginning of every 12 hours of analysis | 75-125% | Y | |
| Surrogates | Every sample | 20-150% | Y | |
| IC | Verify after each initial calibration | <20% RSD | Y | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 9/16/22**

**Parameter: TOC**

**Matrix: Sediment**

**Analytical Method Used: 9060**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | Y | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 10/5/22**

| Part I | General Data Reporting Requirements | Included (Y/N) | Comments |
|---|---|---|---|
| **SUMMARY TABULAR DATA AND PROJECT NARRATIVE** | | | |
| **Each of the following elements should be present as described.** | | | |
| | A summary table listing the percent survival in all control, reference, and test samples | Y | |
| | A summary table containing the $LC_{50}/EC_{50}$ values for the suspended particulate phase (SPP) tests and statistical tests from the solid phase tests | Y | |
| | A narrative which summarizes all of the deviations from the Green Book/Inland Testing Manual, Regional Implementation Agreement and SAP/QAPP protocols. Deviations of sample handling, test conditions, ammonia purging procedures, control performance, reference toxicant test performance, organism handling/acclimation, and water quality parameters should be provided in this section. | Y | |
| | A summary table which documents collection dates and holding times for the test, control, and reference sediment samples. Holding times for site water, SPP, and lab saltwater for all tests should be included in this table. | N | |
| | The data narrative should describe the major biological project activities and results. Computerized tables of results, water quality, and other pertinent information should be placed in this portion of the biological data package. | Y | |
| **RAW BIOLOGICAL AND WATER QUALITY DATA FROM TESTS** | | | |
| | Survival Data | Y | |
| | Water Quality Parameters | Y | |
| | Feeding Schedule and Amount (if applicable) | Y | |
| | Organism Observations | Y | |
| | Summary of Test Conditions | Y | |
| **TEST ORGANISM HOLDING, HANDLING AND ACCLIMATION** | | | |
| | Organism Shipping Data Sheet (or equivalent) if Provided by Supplier | Y | |
| | Copy of Overnight Shipping Airbill or Courier Tracking Information (if applicable) | NA | |
| | Holding/Acclimation Records (including any required water quality, renewals, and feeding) | N | |
| | Mortality During Holding and Acclimation | N | |
| | Taxonomic Identification for Each Species (where available from vendor) | Y | |
| **REFERENCE TOXICANT DATA (where applicable)** | | | |
| | Raw Bench Sheets For Reference Toxicant Tests | Y | |
| | Reference Toxicant Stock & Test Solution Preparation Sheet | Y | |
| | $LC_{50}/EC_{50}$ Statistical Calculations | Y | |
| | Updated Reference Toxicant Control Charts with Acceptability Limits | Y | |
| **STATISTICAL DATA FROM DREDGE MATERIAL TESTS** | | | |
| | Provide all computer-generated statistical output information for the SPP and solid phase tests. | Y | |
| **INVALID TEST DATA** | | | |
| | If a test was repeated for any reason, the data from the original test must be included in the final report. If a serious deviation occurs which has the potential to affect test acceptability, USACE and EPA must be contacted immediately to determine if a retest is needed. | NA | |

| Part II | Test-Specific Information (additional to items specified in Part I) | Included (Y/N) | Comments |
|---|---|---|---|
| **AMPHIPOD SOLID PHASE TEST** | | | |
| | Pretest Overlying Water Renewal Log and Total Porewater Ammonia Data | Y | |
| | Total/Unionized Porewater Ammonia Measured in Dummy Jars During Testing | Y | |
| **MYSID SOLID PHASE TEST** | | | |
| | Pretest Overlying Water Renewal Log and Total Porewater Ammonia Data | Y | |
| | Total/Unionized Overlying Unionized Ammonia Measured During Testing | Y | |
| **SUSPENDED PARTICULATE PHASE TESTS (SPP)** | | | |
| | SPP Preparation Log (All volumes, Mixing Times, Centrifuge Information etc.) | Y | |
| **BIOACCUMULATION TESTING** | | | |
| | Daily Flow Calibration or Static Renewal Log | N | |
| | Preparation Logs for All Artificial Saltwater (if applicable) | N | |
| | If Control Survival <90%, Provide Detailed Narrative | NA | |
| | Statistical Data Output Information Comparing Test and Reference Tissue Chemistry | Y | |
| | Time 0 tissue samples collected and archived frozen | Y | |
| **SAMPLING / SAMPLE HANDLING** | | | |
| | Chain of Custody Forms for All Test, Control, and Reference Samples | Y | |
| | Field Data Sheets and/or Sampling Logs (Including Photos If Available) | Y | |
| | Log of Test Sediment Composite Preparation | Y | |
| | Sieving – Size of Mesh Used for Samples Used in Toxicity Tests/Bioaccumulation specified | Y | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 10/5/22**

| Laboratory: | Suspended Particulate Phase Tests | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Minnow | Review Comments | Data Acceptable (Y/N) | Mysid | Review Comments | Data Acceptable (Y/N) | Zooplankton | Review Comments | Data Acceptable (Y/N) |
| **Test Species:** Identify each species used for toxicology in the cells to the right | ***Menidia beryllina* 9-14 days old** | | | ***Americamysis bahia* 1-5 days old** | | | ***Americamysis bahia* or *Copepod* ≤ 1 day old** | | |
| Correct species used as stated in the SAP/QAPP? (Y/N) | Y | Although the salinity did not meet the criteria in the Sampling and Analysis Plan, they did meet the requirements for testing provided in Appendix E of the Inland Testing Manual. Since there were no exceedances in the test results, the salinity did not have an impact on testing. | | Y | Although the salinity did not meet the criteria in the Sampling and Analysis Plan, they did meet the requirements for testing provided in Appendix E of the Inland Testing Manual. Since there were no exceedances in the test results, the salinity did not have an impact on testing. | | Y | Although the salinity did not meet the criteria in the Sampling and Analysis Plan, they did meet the requirements for testing provided in Appendix E of the Inland Testing Manual. Since there were no exceedances in the test results, the salinity did not have an impact on testing. | |
| Control Survival Criterion Met (where applicable)? (Y/N) | Y | | | Y | | | Y | | |
| Reference Toxicant Response within 2 standard deviations of long term mean (where applicable)? (Y/N) | Y | | | Y | | | Y | | |
| Temperature within acceptable limits? (Y/N) | Y | | | Y | | | Y | | |
| Dissolved Oxygen within acceptable limits? (Y/N) | Y | | | Y | | | Y | | |
| pH within acceptable limits? (Y/N) | Y | | | Y | | | Y | | |
| Salinity within acceptable limits? (Y/N) | N | | | N | | | N | | |
| Acclimation Procedures followed (where required)? (Y/N) | NA | | | NA | | | NA | | |
| Sediment Holding Time <8 wks? (Y/N) | Y | | | Y | | | Y | | |
| Statistical Analyses Appropriate? (Y/N) | Y | | | Y | | | Y | | |
| Ammonia Management conducted (where required)? (Y/N) | NA | | | NA | | | NA | | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 10/5/22**

| Laboratory: | Solid Phase Tests | | | | | |
|---|---|---|---|---|---|---|
| | Amphipod | Review Comments | Data Acceptable (Y/N) | Crustacean | Review Comments | Data Acceptable (Y/N) |
| **Test Species:** Identify each species used for toxicology in the cells to the right | ***Leptocheirus plumulosus*** | | | ***Americamysis bahia (1 - 5 days old)*** | | |
| Correct species used as stated in the SAP/QAPP? (Y/N) | Y | Holding time for toxicology was based on the date of sample compositing at the laboratory.<br><br>Although the salinity did not meet the criteria in the Sampling and Analysis Plan, they did meet the requirements for testing provided in Appendix E of the Inland Testing Manual. Since there were no exceedances in the test results, the salinity did not have an impact on testing. | | Y | Holding time for toxicology was based on the date of sample compositing at the laboratory.<br><br>Although the salinity did not meet the criteria in the Sampling and Analysis Plan, they did meet the requirements for testing provided in Appendix E of the Inland Testing Manual. Since there were no exceedances in the test results, the salinity did not have an impact on testing. | |
| Control Survival Criterion Met (where applicable)? (Y/N) | Y | | | Y | | |
| Reference Toxicant Response within 2 standard deviations of long term mean (where applicable)? (Y/N) | Y | | | Y | | |
| Temperature within acceptable limits? (Y/N) | Y | | | Y | | |
| Dissolved Oxygen within acceptable limits? (Y/N) | Y | | | Y | | |
| pH within acceptable limits? (Y/N) | Y | | | Y | | |
| Salinity within acceptable limits? (Y/N) | N | | | N | | |
| Acclimation Procedures followed (where required)? (Y/N) | NA | | | NA | | |
| Sediment Holding Time <8 wks? (Y/N) | See note | | | See note | | |
| Statistical Analyses Appropriate? (Y/N) | Y | | | Y | | |
| Ammonia Management conducted (where required)? (Y/N) | NA | | | NA | | |

**Project Identification: PCCA CDP Inner Harbor**

**Reviewed by: PLB**

**Review Date: 10/5/22**

| Laboratory: | Bioaccumulation Potential Tests | | | | | |
|---|---|---|---|---|---|---|
| | **Sand Worm *Alitta virens*** | **Review Comments** | **Data Acceptable (Y/N)** | **Clam *Mercenaria mercenaria*** | **Review Comments** | **Data Acceptable (Y/N)** |
| **Test Species:** Identify each species used for toxicology in the cells to the right | ***Neanthes (Nereis) virens*** | | | ***Merenaria mercenaria*** | | |
| Correct species used as stated in the SAP/QAPP? (Y/N) | Y | Although the salinity did not meet the criteria in the Sampling and Analysis Plan, they did meet the requirements for testing provided in Appendix E of the Inland Testing Manual. Since there were no exceedances in the test results, the salinity did not have an impact on testing. | | Y | Although the salinity did not meet the criteria in the Sampling and Analysis Plan, they did meet the requirements for testing provided in Appendix E of the Inland Testing Manual. Since there were no exceedances in the test results, the salinity did not have an impact on testing. | |
| Control Survival Criterion Met (where applicable)? (Y/N) | | | | | | |
| Reference Toxicant Response within 2 standard deviations of long term mean (where applicable)? (Y/N) | | | | | | |
| Temperature within acceptable limits? (Y/N) | Y | | | Y | | |
| Dissolved Oxygen within acceptable limits? (Y/N) | Y | | | Y | | |
| pH within acceptable limits? (Y/N) | Y | | | Y | | |
| Salinity within acceptable limits? (Y/N) | N | | | N | | |
| Acclimation Procedures followed (where required)? (Y/N) | NA | | | NA | | |
| Sediment Holding Time <8 wks? (Y/N) | Y | | | Y | | |
| Statistical Analyses Appropriate? (Y/N) | Y | | | Y | | |
| Ammonia Management conducted (where required)? (Y/N) | NA | | | NA | | |

# EPA Region 6
# Data Review and Validation Requirements
# Dredged Material Disposal Evaluation

**Project:** PCCA CDP Resample - Inner Harbor MPRSA Section 103

Project Initiation Date: November 16, 2021

Project Sampling Dates:

Begin: January 21, 2023

End: January 27, 2023

Final Report Date:

Final Review Date: June 20, 2023

*Data acceptable (Y/N):*

If data unacceptable summarize issues to be addressed:

*I certify the review in this document conforms to all applicable regulatory and project-specific requirements.*



QA Officer

# Laboratory Information

Use one sheet for each laboratory that will perform analytical work for this project.

Laboratory Name/Identification: North Water District Laboratory Services

Is lab NELAC certified? Yes/No If Yes, please supply certification number TCEQ T104704238-21-33

**Can lab meet the QC requirements below as specified in the SAP/QAPP?**

| Yes/No | |
|---|---|
| Yes | Analytical requirement |
| Yes | Instrumentation |
| Yes | MDL's meet project TDL requirements |
| Yes | Precision and accuracy |
| Yes | Required turnaround time |

Note below any requirements the laboratory is unable to meet.

Sediment, elutriate/site water, and tissue chemistry samples were also subcontracted from NWDLS to two other labs listed below:

A&B Labs NELAC accreditation number T104704213

ALS Laboratory in Kelso, WA accreditation number Texas CEQ T104704427

Grain size was subcontracted to Taylor Engineering. No NELAC accreditation is available for grain size.

# Sample Custody

Was all required information on the chain-of-custody form:

| (Yes/No) | |
|---|---|
| Yes | Did chain of custody forms accompany samples to subcontract lab? |
| Yes | Is the project identification on the chain of custody? |
| No, see note 1. | Are the analyses requested printed on the sample containers? |
| Yes | Were all samples correctly identified? |
| Yes | Were the analyses correctly identified on the chain of custody or an attached document listed on the chain of custody? |
| Yes | Were sample dates and times listed on the chain of custody? |
| Yes | Were the chains of custody signed by both the relinquisher and receiver of the samples? |
| Yes | Was the carrier identified on the chain of custody? |
| Yes | If more than one chain of custody was needed for samples, are the chains of custody clearly numbered? |
| Yes, see note 2. | Were samples packed on wet ice, with an expected receipt temperature of 4 ± 2°C? |
| No, see note 3. | Were any sample conditions or irregularities (broken bottles, improper temperature) noted on the chain of custody or accompanying paperwork? |
| Yes | Was the chain of custody submitted as part of the report to the primary contractor? |
| Yes | Were all requested analyses performed? |
| Yes | Was adequate sample volume provided to the contractor lab? |
| No, see note 3. | If any anomalous behavior of the samples was found, was it noted in the lab case narrative? |

Additional sample custody issues or deficiencies:

Note 1. Samples were logged in prior to field sampling. The login printout with analyses acted as the chain of custody for the samples.

Note 2. Samples were stored in the refrigerated trailer or iced in coolers for storage and shipment to NWDLS.

Note 3. No irregularities or anomalous behavior was noted on the report or COCs.

# List of Acronyms

| | |
|---|---|
| CCV | continuing calibration verification |
| IC | initial calibration |
| ICB | initial calibration blank |
| ICV | initial calibration verification |
| IS | internal standard |
| LCS/DLCS | laboratory control sample/duplicate laboratory control sample |
| LDR | linear dynamic range |
| LFB | laboratory fortified blank |
| MB | method blank |
| MDL | method detection limit |
| MN | *Macoma nasuta* |
| MS/MSD | matrix spike/matrix spike duplicate |
| NV | *Neanthes virens* |
| RL | reporting limit |
| SAP/QAPP | Sampling and Analysis Plan/Quality Assurance Project Plan |
| RIA | EPA Region 6 - Regional Implementation Manual |
| SRM | standard reference material |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 5/22/23**

**Parameter: Metals** (e.g. Silver, Arsenic)

**List Metals Analyzed: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn, Cr(III), Cr(VI)**

**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: 6020, 7471**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specifc spike recovery and RSD precision limits | See note | Several spikes, primarily for antimony, were outside acceptance criteria, indicating a potential matrix interference in the samples. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Sample/supplier-specific recovery limits | NA | See LCS | |
| LCS/LFB | 1 per 20 samples or 1 per batch up to 20 samples | Method-specific spike recovery limits | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | Minimum - check calibration at middle and end of each batch or 1 per 10 analyses, whichever is greater | Method-specific recovery limits | Y | | |
| LDR | Verify LDR once per quarter for ICP analyses and one time for mercury analysis | | NA | Not provided by lab | |
| IC | Verify initial calibration for AA and mercury analysis performed daily | Method-specific calibration requirements | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 5/22/23**

**Parameter: Metals** (e.g. Silver, Arsenic)

**List Metals Analyzed: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn, Cr(III), Cr(VI)**

**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: 6020, 7470**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | See note | Lead had one spike recovery below the acceptance criteria. All other spikes were acceptable. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Sample/supplier-specific recovery limits | NA | See LCS | |
| LCS/LFB | 1 per 20 samples or 1 per batch up to 20 samples | Method-specific spike recovery limits | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | ICV and CCV recoveries are not provided, but the lab report indicates there were no exceedances. | |
| CCV | Minimum - check calibration at middle and end of each batch or 1 per 10 analyses, whichever is greater | Method-specific recovery limits | Y | | |
| LDR | Verify LDR once per quarter for ICP analyses and one time for mercury analysis | | NA | Not provided by lab | |
| IC | Verify initial calibration for AA and mercury analysis performed daily | Method-specific calibration requirements | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 6/20/23**

**Parameter: Metals** (e.g. Silver, Arsenic)

**List Metals Analyzed: Sb, As, Be, Cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Tl, Zn**

**Matrix:** ☐ Sediment ☐ Water/Elutriate ☑ Tissue

**Analytical Method Used: 6020, 7471**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | See note | All spikes were acceptable with the exception of silver. The exceedance for silver is likely due to matrix interference. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Sample/supplier-specific recovery limits | NA | See LCS | |
| LCS/LFB | 1 per 20 samples or 1 per batch up to 20 samples | Method-specific spike recovery limits | See note | All LCS recoveries were acceptable with the exception of silver. The exceedance for silver is likely due to matrix interference. | |
| ICV | Immediately following calibration curve | Method-specific spike recovery limits | Y | ICV and CCV recoveries are not provided, but the lab report indicates there were no exceedances. | |
| CCV | Minimum - check calibration at middle and end of each batch or 1 per 10 analyses, whichever is greater | Method-specific spike recovery limits | Y | | |
| LDR | Verify LDR once per quarter for ICP analyses and one time for mercury analysis | | NA | Not provided by lab | |
| IC | Verify initial calibration for AA and mercury analysis performed daily | Method-specific calibration requirements | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 5/22/23**

**Parameter:** ☐ PAHs ☑ Pesticides ☐ PCBs
**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8081**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | Y | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | See note | Use LCS as SRM. 4,4' DDT had one small exceedance outside the lab acceptance criteria for one LCS. All other compounds were acceptable. | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | See note | Several calibration verification standards were above the acceptance criteria. Since all sample results for the affected compounds were below detection, there is no impact to the results. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | | | |
| Surrogates | Every sample | Method-specific recovery limits | Y | | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 5/22/23**

**Parameter:** ☐ PAHs ☑ Pesticides ☐ PCBs
**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8081**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | Y | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | Use LCS as SRM | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | ICV and CCV recoveries are not provided, but the lab report indicates there were no exceedances. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | Y | | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 5/22/23**

**Parameter:** ☐ PAHs ☐ Pesticides ☑ PCBs
**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8082**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | Y | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | ICV and CCV recoveries are not provided, but the lab report indicates there were no exceedances. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | See note | Several surrogates were above the acceptance criteria. All sample results were below detection, so the overall impact is low to none. | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 5/22/23**

**Parameter:** ☐ PAHs ☐ Pesticides ☑ PCBs
**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8082**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | Aroclor 1016 had results below the MDL. All results are below the lab detection limit, so the impact is likely low. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | N | Spikes had recoveries slightly below the lab acceptance limit. All results are below the lab detection limit, so the impact is likely low. | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | ICV and CCV recoveries are not provided, but the lab report indicates there were no exceedances. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | See note | Several surrogates were above the acceptance criteria. All sample results were below detection, so the overall impact is low to none. | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 5/22/23**

**Parameter:** ☑ PAHs ☐ Pesticides ☐ PCBs
**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8270**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | Y | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | See note | Use blank spike/LCS as SRM. Benzo(b)fluoranthene had one exceedance for the blank spike. Since the results are below detection, the overall impact is low. | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | ICV and CCV recoveries are not provided, but the lab report indicates there were no exceedances. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | See note | Several surrogates were outside the acceptance criteria. The exceedances were generally above the limit, indicating a potential high bias in the sample results. For any results which exceeded the reporting limit, tissue analysis was performed. | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 5/22/23**

**Parameter:** ☑ PAHs ☐ Pesticides ☐ PCBs
**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8270**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | Y | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | ICV and CCV recoveries are not provided, but the lab report indicates there were no exceedances. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | Y | | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 5/22/23**

**Parameter:** ☐ PAHs ☐ Pesticides ☐ PCBs ☑ SVOCs
**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8270**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | N | Several compounds across all the batches tested had exceedances above the reporting limit. | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | The matrix spikes had exceedances outside the acceptance criteria. The sample with the most exceedances also had high levels of SVOC contaminants, and also indicates a likely matrix interference in the sample. The sample was rerun several times to address the spike recovery exceedances. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | See note | Used Blank Spike/LCS for SRM. Several compounds had exceedances outside the acceptance criteria. Since the exceedances are generally small, the overall impact is low. | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | ICV and CCV recoveries are not provided, but the lab report indicates there were no exceedances. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | See note | Several surrogates were outside the acceptance criteria. The exceedances were generally above the limit, indicating a potential high bias in the sample results. For any results which exceeded the reporting limit, tissue analysis was performed. | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 5/22/23**

**Parameter:** ☐ PAHs ☐ Pesticides ☐ PCBs ☑ SVOCs
**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: 8270**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | N | Several compounds had exceedances above the reporting limit. | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | Y | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | N | Use blank spike as SRM. Several compounds had slight exceedances outside the lab acceptance criteria. All other compounds tested were within acceptance criteria. | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | See note | Several calibration verification standards were above the acceptance criteria. Since all sample results for the affected compounds were below detection, there is no impact to the results. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | | | |
| Surrogates | Every sample | Method-specific recovery limits | Y | | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 6/20/23**

**Parameter:** ☐ PAHs ☐ Pesticides ☐ PCBs ☑ SVOCs
**Matrix:** ☐ Sediment ☐ Water/Elutriate ☑ Tissue

**Analytical Method Used: 8270**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | N | Several blanks had hits above the MRL, likely due to the use of tissue in the blank. | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | N | Several spikes were outside the lab acceptance criteria, likely due to matrix interference. | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | N | Several blank spikes were outside the lab acceptance criteria, likely due to the use of tissue in the blank spike. The exceedances were generally small, and the results were compared using the 8 factors where the sample results exceeded the reference. | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | Y | ICV and CCV recoveries are not provided, but the lab report indicates there were no exceedances. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | Y | | |
| Surrogates | Every sample | Method-specific recovery limits | Y | | |
| Internal Standard | Every sample | Method-specific recovery limits | NA | Not provided by lab | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | Y | Maintained at lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |
| ICB | Immediately after initial calibration | No analyte should be detected > RL | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**
**Reviewed by: PLB**
**Review Date: 6/19/23**

**Parameter: Organotins**
**Matrix:** ☑ Sediment ☐ Water/Elutriate ☐ Tissue

**Analytical Method Used: Krone**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments |
|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | |
| MS/MSD/MST | 1 set per 20 samples or per batch | 40% | Y | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | LCS used as SRM. |
| ICV | Immediately following calibration curve | 75-125% | See note | CCV/ICV data not provided, but case narrative does not indicate any exceedances for sediment. |
| CCV | At the beginning of every 12 hours of analysis | 75-125% | | |
| Surrogates | Every sample | 20-150% | Y | Met lab acceptance criteria |
| IC | Verify after each initial calibration | <20% RSD | NA | Not provided by lab |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**
**Reviewed by: PLB**
**Review Date: 6/19/23**

**Parameter: Organotins**
**Matrix:** ☐ Sediment ☑ Water/Elutriate ☐ Tissue

**Analytical Method Used: Krone**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments |
|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | |
| MS/MSD/MST | 1 set per 20 samples or per batch | 40% | Y | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | LCS used as SRM. |
| ICV | Immediately following calibration curve | 75-125% | See note | CCV/ICV data not provided. Case narrative from ALS indicates that samples had to be reanalyzed due to a CCV failure. |
| CCV | At the beginning of every 12 hours of analysis | 75-125% | | |
| Surrogates | Every sample | 20-150% | See note | One sample had exceedances in the surrogate. All corresponding sample results were below the corresponding reporting limit from the lab. |
| IC | Verify after each initial calibration | <20% RSD | NA | Not provided by lab |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**
**Reviewed by: PLB**
**Review Date: 6/19/23**

**Parameter: Organotins (monobutyltin only)**
**Matrix:** ☐ Sediment ☐ Water/Elutriate ☑ Tissue

**Analytical Method Used: Krone**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments |
|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | |
| MS/MSD/MST | 1 set per 20 samples or per batch | 40% | Y | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | LCS used as SRM. |
| ICV | Immediately following calibration curve | 75-125% | See note | CCV/ICV data not provided. |
| CCV | At the beginning of every 12 hours of analysis | 75-125% | | |
| Surrogates | Every sample | 20-150% | See note | The laboratory indicated that several surrogates were outside the lab acceptance criteria. For surrogates above the acceptance criteria, the sample results were above detection limit and no further action was necessary. For surrogate below the acceptance criteria, the lab indicates that the results showed matrix interference and was not run. Since the sample results were below detection, the overall impact is low. |
| IC | Verify after each initial calibration | <20% RSD | NA | Not provided by lab |

| | | | | |
|---|---|---|---|---|
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab |

Note: Although the laboratory reported the data with an H qualifier, indicating the result was analyzed past holding time, the tissues were frozen during storage and the holding time is suspended, so the results were not impacted by the standard laboratory holding times for solid material.

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 6/19/23**

**Parameter: TOC**

**Matrix: Sediment**

**Analytical Method Used: 9060**

| QC Measurement | Frequency | Acceptance Criteria | Criteria Met (Y/N) | Review Comments | Data Acceptable (Y/N) |
|---|---|---|---|---|---|
| MB | 1 per 20 samples or 1 per batch up to 20 samples | No analyte should be detected > RL | Y | | |
| MS/MSD | 1 set per 20 samples or per batch | Method-specific spike recovery and RSD precision limits | Y | | |
| SRM | 1 per 20 samples or 1 per batch up to 20 samples | Within limits specified by provider | Y | | |
| ICV | Immediately following calibration curve | Method-specific recovery limits | See note | Verification standards not provided, but lab indicates that all analytes were acceptable. | |
| CCV | At the beginning of every 12 hours of analysis | Method-specific recovery limits | | | |
| IC | Verify after each initial calibration | Method-specific acceptibility limits | NA | Not provided by lab | |
| MDL | Verify MDL study once per year for each analyte of interest | Updated annually | Y | Maintained at lab | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 6/19/23**

| Part I | General Data Reporting Requirements | Included (Y/N) | Comments |
|---|---|---|---|
| **SUMMARY TABULAR DATA AND PROJECT NARRATIVE** | | | |
| **Each of the following elements should be present as described.** | | | |
| | A summary table listing the percent survival in all control, reference, and test samples | Y | |
| | A summary table containing the $LC_{50}/EC_{50}$ values for the suspended particulate phase (SPP) tests and statistical tests from the solid phase tests | Y | |
| | A narrative which summarizes all of the deviations from the Green Book/Inland Testing Manual, Regional Implementation Agreement and SAP/QAPP protocols. Deviations of sample handling, test conditions, ammonia purging procedures, control performance, reference toxicant test performance, organism handling/acclimation, and water quality parameters should be provided in this section. | Y | |
| | A summary table which documents collection dates and holding times for the test, control, and reference sediment samples. Holding times for site water, SPP, and lab saltwater for all tests should be included in this table. | Y | |
| | The data narrative should describe the major biological project activities and results. Computerized tables of results, water quality, and other pertinent information should be placed in this portion of the biological data package. | Y | |
| **RAW BIOLOGICAL AND WATER QUALITY DATA FROM TESTS** | | | |
| | Survival Data | Y | |
| | Water Quality Parameters | Y | |
| | Feeding Schedule and Amount (if applicable) | Y | |
| | Organism Observations | Y | |
| | Summary of Test Conditions | Y | |
| **TEST ORGANISM HOLDING, HANDLING AND ACCLIMATION** | | | |
| | Organism Shipping Data Sheet (or equivalent) if Provided by Supplier | Y | For species not laboratory grown. |
| | Copy of Overnight Shipping Airbill or Courier Tracking Information (if applicable) | NA | |
| | Holding/Acclimation Records (including any required water quality, renewals, and feeding) | Y | For samples not cultured at the laboratory |
| | Mortality During Holding and Acclimation | N | Mortality not provided, samples held for less than 2 days after receipt for test setup. |
| | Taxonomic Identification for Each Species (where available from vendor) | Y | Provided by supplier |
| **REFERENCE TOXICANT DATA (where applicable)** | | | |
| | Raw Bench Sheets For Reference Toxicant Tests | Y | |
| | Reference Toxicant Stock & Test Solution Preparation Sheet | Y | |
| | $LC_{50}/EC_{50}$ Statistical Calculations | Y | |
| | Updated Reference Toxicant Control Charts with Acceptability Limits | Y | |
| **STATISTICAL DATA FROM DREDGE MATERIAL TESTS** | | | |
| | Provide all computer-generated statistical output information for the SPP and solid phase tests. | Y | |
| **INVALID TEST DATA** | | | |
| | If a test was repeated for any reason, the data from the original test must be included in the final report. If a serious deviation occurs which has the potential to affect test acceptability, USACE and EPA must be contacted immediately to determine if a retest is needed. | NA | |

| Part II | Test-Specific Information (additional to items specified in Part I) | Included (Y/N) | Comments |
|---|---|---|---|
| **AMPHIPOD SOLID PHASE TEST** | | | |
| | Pretest Overlying Water Renewal Log and Total Porewater Ammonia Data | Y | |
| | Total/Unionized Porewater Ammonia Measured in Dummy Jars During Testing | Y | |
| **MYSID SOLID PHASE TEST** | | | |
| | Pretest Overlying Water Renewal Log and Total Porewater Ammonia Data | Y | |
| | Total/Unionized Overlying Unionized Ammonia Measured During Testing | Y | |
| **SUSPENDED PARTICULATE PHASE TESTS (SPP)** | | | This information is spread across several different tables, but is present in the report. |
| | SPP Preparation Log (All volumes, Mixing Times, Centrifuge Information etc.) | Y | |
| **BIOACCUMULATION TESTING** | | | |
| | Daily Flow Calibration or Static Renewal Log | N | |
| | Preparation Logs for All Artificial Saltwater (if applicable) | Y | |
| | If Control Survival <90%, Provide Detailed Narrative | NA | |
| | Statistical Data Output Information Comparing Test and Reference Tissue Chemistry | Y | |
| | Time 0 tissue samples collected and archived frozen | Y | |
| **SAMPLING / SAMPLE HANDLING** | | | |
| | Chain of Custody Forms for All Test, Control, and Reference Samples | Y | The lab report indicates the sediment was sieved for the benthic and bioaccumulation, but the sieve size is not specified. |
| | Field Data Sheets and/or Sampling Logs (Including Photos If Available) | Y | |
| | Log of Test Sediment Composite Preparation | Y | |
| | Sieving – Size of Mesh Used for Samples Used in Toxicity Tests/Bioaccumulation specified | N | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 6/19/23**

| Laboratory: | Suspended Particulate Phase Tests | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Minnow | Review Comments | Data Acceptable (Y/N) | Mysid | Review Comments | Data Acceptable (Y/N) | Zooplankton | Review Comments | Data Acceptable (Y/N) |
| **Test Species:** Identify each species used for toxicology in the cells to the right | ***Menidia beryllina* 9-14 days old** | | | ***Americamysis bahia* 1-5 days old** | | | ***Americamysis bahia* or *Copepod* ≤ 1 day old** | | |
| Correct species used as stated in the SAP/QAPP? (Y/N) | Y | | | Y | | | Y | | |
| Control Survival Criterion Met (where applicable)? (Y/N) | Y | | | Y | | | Y | | |
| Reference Toxicant Response within 2 standard deviations of long term mean (where applicable)? (Y/N) | Y | | | Y | | | Y | | |
| Temperature within acceptable limits? (Y/N) | Y | | | Y | | | Y | | |
| Dissolved Oxygen within acceptable limits? (Y/N) | Y | | | Y | | | Y | | |
| pH within acceptable limits? (Y/N) | Y | | | Y | | | Y | | |
| Salinity within acceptable limits? (Y/N) | Y | | | Y | | | Y | | |
| Acclimation Procedures followed (where required)? (Y/N) | NA | | | NA | | | NA | | |
| Sediment Holding Time <8 wks? (Y/N) | Y | | | Y | | | Y | | |
| Statistical Analyses Appropriate? (Y/N) | Y | | | Y | | | Y | | |
| Ammonia Management conducted (where required)? (Y/N) | NA | | | NA | | | NA | | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 6/19/23**

| Laboratory: | Solid Phase Tests | | | | | |
|---|---|---|---|---|---|---|
| | Amphipod | Review Comments | Data Acceptable (Y/N) | Crustacean | Review Comments | Data Acceptable (Y/N) |
| **Test Species:** Identify each species used for toxicology in the cells to the right | ***Leptocheirus plumulosus*** | | | ***Americamysis bahia (1 - 5 days old)*** | | |
| Correct species used as stated in the SAP/QAPP? (Y/N) | Y | The temperature deviated from the value specified in the SAP. This was due to the CDP and Harbor Island projects being analyzed together, and the value in the Harbor Island SAP being used. Based on the temperature used from Harbor Island being acceptable and the overall test results, the deviation does not appear to have had an impact on the test. | | Y | | |
| Control Survival Criterion Met (where applicable)? (Y/N) | Y | | | Y | | |
| Reference Toxicant Response within 2 standard deviations of long term mean (where applicable)? (Y/N) | Y | | | Y | | |
| Temperature within acceptable limits? (Y/N) | N | | | Y | | |
| Dissolved Oxygen within acceptable limits? (Y/N) | Y | | | Y | | |
| pH within acceptable limits? (Y/N) | Y | | | Y | | |
| Salinity within acceptable limits? (Y/N) | Y | | | Y | | |
| Acclimation Procedures followed (where required)? (Y/N) | NA | | | NA | | |
| Sediment Holding Time <8 wks? (Y/N) | Y | | | Y | | |
| Statistical Analyses Appropriate? (Y/N) | Y | | | Y | | |
| Ammonia Management conducted (where required)? (Y/N) | NA | | | NA | | |

**Project Identification: PCCA CDP Inner Harbor Re-Sample**

**Reviewed by: PLB**

**Review Date: 6/19/23**

| Laboratory: | Bioaccumulation Potential Tests | | | | | |
|---|---|---|---|---|---|---|
| | **Sand Worm *Alitta virens*** | **Review Comments** | **Data Acceptable (Y/N)** | **Clam *Mercenaria mercenaria*** | **Review Comments** | **Data Acceptable (Y/N)** |
| **Test Species:** Identify each species used for toxicology in the cells to the right | ***Neanthes (Nereis) virens*** | | | ***Merenaria mercenaria*** | | |
| Correct species used as stated in the SAP/QAPP? (Y/N) | Y | | | Y | *Mercenaria mercenaria* used as alternate species to *Macoma nasuta* due to availability. This was approved by USACE on 2/3/23 by Jayson Hudson. | |
| Control Survival Criterion Met (where applicable)? (Y/N) | | | | | | |
| Reference Toxicant Response within 2 standard deviations of long term mean (where applicable)? (Y/N) | | | | | | |
| Temperature within acceptable limits? (Y/N) | Y | | | Y | | |
| Dissolved Oxygen within acceptable limits? (Y/N) | Y | | | Y | | |
| pH within acceptable limits? (Y/N) | Y | | | Y | | |
| Salinity within acceptable limits? (Y/N) | Y | | | Y | | |
| Acclimation Procedures followed (where required)? (Y/N) | NA | | | NA | | |
| Sediment Holding Time <8 wks? (Y/N) | Y | | | Y | | |
| Statistical Analyses Appropriate? (Y/N) | Y | | | Y | | |
| Ammonia Management conducted (where required)? (Y/N) | NA | | | NA | | |

# APPENDIX E

## CHEMISTRY LAB REPORTS

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-22-36
TCEQ-TOX T104704202-21-16

June 06, 2022

# LAB REPORT

Gregg Pawlak
Terracon_Houston
11555 Clay Road
Houston, TX 77043

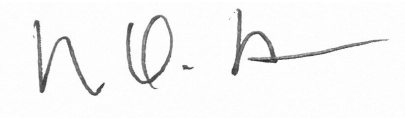
Report ID: 20220606143726MM

RE: PCCA CDP 2022

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Monica O. Martin
Director of Laboratory Services

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-22-36
TCEQ-TOX T104704202-21-16

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Work Order Case Narrative

A total of 30 samples were collected on:

| Laboratory ID | Sample Name | Sample Date |
|---|---|---|
| 22A3944-01 | CDP-EQ BLANK | 02/06/2022 14:30 |
| 22A3944-07 | CDP-06-W | 02/14/2022 17:25 |
| 22A3944-08 | CDP-07-W | 02/22/2022 16:00 |
| 22A3944-09 | CDP-08-W | 02/24/2022 12:25 |
| 22A3944-10 | CDP-09-W | 02/20/2022 17:25 |
| 22A3944-11 | CDP-REF-W | 03/03/2022 10:25 |
| 22A3944-12 | CDP-ODMDS-W | 03/03/2022 12:02 |
| 22A3944-18 | CDP-06-E | 02/27/2022 12:24 |
| 22A3944-19 | CDP-07-E | 02/16/2022 18:47 |
| 22A3944-20 | CDP-08-E | 02/24/2022 17:50 |
| 22A3944-21 | CDP-09-E | 02/20/2022 15:30 |
| 22A3944-27 | CDP-06-S | 02/27/2022 12:24 |
| 22A3944-28 | CDP-06-6A-S | 02/11/2022 15:30 |
| 22A3944-29 | CDP-06-6B-S | 02/26/2022 09:45 |
| 22A3944-30 | CDP-06-6C-S | 02/27/2022 12:24 |
| 22A3944-31 | CDP-07-S | 02/16/2022 18:47 |
| 22A3944-32 | CDP-07-7A-S | 02/15/2022 15:10 |
| 22A3944-34 | CDP-07-7C-S | 02/16/2022 18:47 |
| 22A3944-35 | CDP-08-S | 02/24/2022 17:50 |
| 22A3944-36 | CDP-08-8A-S | 02/22/2022 13:20 |
| 22A3944-38 | CDP-08-8C-S | 02/24/2022 17:50 |
| 22A3944-39 | CDP-09-S | 02/20/2022 15:30 |
| 22A3944-40 | CDP-09-9A-S | 02/18/2022 17:31 |
| 22A3944-41 | CDP-09-9C-S-CORE 1 | 02/19/2022 09:15 |
| 22A3944-42 | CDP-09-9C-S-CORE 2 | 02/20/2022 15:30 |
| 22A3944-43 | CDP-REF-S | 03/03/2022 09:40 |
| 22A3944-44 | CDP-ODMDS-S | 03/03/2022 11:38 |
| 22A3944-45 | CDP-DUP-S | 02/11/2022 13:10 |
| 22A3944-46 | CDP-DUP-W | 02/26/2022 16:28 |
| 22A3944-47 | CDP-DUP-E | 02/28/2022 14:00 |

Samples were received and accepted at NWDLS on 02/15/2022 17:00 through 03/04/2022. Any receiving discrepancies are recorded and stored in NWDLS' database. The samples received a Work Order of 22A3944. The lab sample IDs, client sample IDs, and dates of collection can be found at the top of each result page.

NWDLS provided their lowest detection limit for all requested analyses. Note that detection and reporting limits are adjusted to account for sample specific parameters.

Any QC that did not meet the laboratory specified control limits was flagged and reported with qualifiers. This includes any calibration QC and specific qualifiers include "CB" for any calibration blanks exceeding limits and "C" for any calibration verifications not meeting control limits. For additional information, please refer to the included quality control data pages.

NWDLS
North Water District Laboratory Services, Inc.

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results

Client Sample ID: CDP-EQ BLANK
Lab Sample ID: 22A3944-01
Sample Alias:

Sample Matrix: 18 MOhm DI Water
Date Collected: 02/06/2022 14:30
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BFB2807 | 02/22/2022 12:33 | KEV |
| EPA 200.8 | Selenium | A | <0.330 | U | ug/L | 1 | 0.330 | 5.00 | BFB2766 | 02/21/2022 13:22 | DAL |
| **Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.200 | U | ug/L | 1 | 0.200 | 1.00 | BFB2773 | 02/21/2022 14:44 | DAL |
| EPA 200.8 | Arsenic | A | <0.100 | U | ug/L | 1 | 0.100 | 0.500 | BFB2773 | 02/21/2022 14:44 | DAL |
| EPA 200.8 | Beryllium | A | <0.0100 | U | ug/L | 1 | 0.0100 | 0.200 | BFB2773 | 02/22/2022 09:34 | DAL |
| EPA 200.8 | Cadmium | A | <0.0500 | U | ug/L | 1 | 0.0500 | 1.00 | BFB2773 | 02/21/2022 14:44 | DAL |
| EPA 200.8 | Chromium | A | 0.186 | J | ug/L | 1 | 0.0800 | 3.00 | BFB2773 | 02/21/2022 14:44 | DAL |
| EPA 200.8 | Copper | A | 0.243 | J | ug/L | 1 | 0.200 | 1.00 | BFB2773 | 02/21/2022 14:44 | DAL |
| Calc | Chromium (III) | | <1.58 | U | ug/L | 1 | 1.58 | 6.00 | [CALC] | 02/21/2022 14:44 | SAB |
| SM 3500-Cr B | Chromium (VI) | A | <1.50 | U | ug/L | 1 | 1.50 | 3.00 | BFB1206 | 02/09/2022 18:17 | SAB |
| EPA 200.8 | Lead | A | <0.100 | U | ug/L | 1 | 0.100 | 0.500 | BFB2773 | 02/21/2022 14:44 | DAL |
| EPA 200.8 | Nickel | A | 0.0790 | J | ug/L | 1 | 0.0500 | 1.00 | BFB2773 | 02/21/2022 14:44 | DAL |
| EPA 200.8 | Silver | A | <0.0300 | U | ug/L | 1 | 0.0300 | 0.500 | BFB2773 | 02/21/2022 14:44 | DAL |
| EPA 200.8 | Thallium | A | <0.0300 | U | ug/L | 1 | 0.0300 | 0.500 | BFB2773 | 02/21/2022 14:44 | DAL |
| EPA 200.8 | Zinc | A | 1.26 | J | ug/L | 1 | 0.200 | 2.00 | BFB2773 | 02/22/2022 09:34 | DAL |

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TCEQ T104704238-22-36
TCEQ-TOX T104704202-21-16

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-W
Lab Sample ID: 22A3944-07
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/14/2022 17:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <0.553 | U | ug/L | 1 | 0.553 | 1.11 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 2,4-Dichlorophenol | A | <0.553 | U | ug/L | 1 | 0.553 | 1.11 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <0.553 | U | ug/L | 1 | 0.553 | 1.11 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <4.44 | U | ug/L | 1 | 4.44 | 4.44 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 2-Chloronaphthalene | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 2-Chlorophenol | A | <0.553 | U | ug/L | 1 | 0.553 | 1.11 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | <0.553 | U | ug/L | 1 | 0.553 | 1.11 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 2-Nitrophenol | A | <0.553 | U | ug/L | 1 | 0.553 | 1.11 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <0.553 | U | ug/L | 1 | 0.553 | 1.11 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | 4-Nitrophenol | A | <4.44 | U | ug/L | 1 | 4.44 | 4.44 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Acenaphthene | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Acenaphthylene | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Anthracene | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | 0.412 | J | ug/L | 1 | 0.277 | 1.11 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Chrysene | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Diethyl phthalate | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Dimethyl phthalate | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <0.277 | B, U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Fluoranthene | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |

NWDLS
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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-W (Continued)
Lab Sample ID: 22A3944-07
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/14/2022 17:25
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | |
| SW-8270 | Fluorene | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Hexachlorobenzene | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Hexachloroethane | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Isophorone | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Naphthalene | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Nitrobenzene | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <0.277U | ug/L | 1 | 0.277 | 2.22 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | n-Nitrosodiphenylamine | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Pentachlorophenol | A | <0.553U | ug/L | 1 | 0.553 | 1.11 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Phenanthrene | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Phenol, Total | A | <0.553U | ug/L | 1 | 0.553 | 1.11 | BFB2791 | 03/04/2022 00:53 | KRB |
| SW-8270 | Pyrene | A | <0.277U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/04/2022 00:53 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *98.2%* | *54.6-148* | | | | | *03/04/2022 00:53* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *104%* | *55-152* | | | | | *03/04/2022 00:53* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *102%* | *52.4-136* | | | | | *03/04/2022 00:53* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *99.6%* | *52-162* | | | | | *03/04/2022 00:53* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *104%* | *58.7-152* | | | | | *03/04/2022 00:53* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *122%* | *51.9-147* | | | | | *03/04/2022 00:53* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | 4,4'-DDE | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | 4,4'-DDT | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Aldrin | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | delta-BHC | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Dieldrin | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Endosulfan I | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Endosulfan II | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-W (Continued)
Lab Sample ID: 22A3944-07
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/14/2022 17:25
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | |
| SW-8081 | Endrin | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Endrin aldehyde | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Endrin ketone | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | gamma-Chlordane | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Heptachlor | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Methoxychlor | A | <0.00599U | ug/L | 1 | 0.00599 | 0.00599 | BFB2812 | 03/05/2022 06:07 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.299U | ug/L | 1 | 0.299 | 0.299 | BFB2812 | 03/05/2022 06:07 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *124%* | *60-140* | | | | | *03/05/2022 06:07* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *116%* | *60-140* | | | | | *03/05/2022 06:07* | |
| SW-8082 | PCBs, Total | A | <0.00600U | ug/L | 1 | 0.00600 | 0.120 | BFB2975 | 03/01/2022 12:01 | SO |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *106%* | *60-140* | | | | | *03/01/2022 12:01* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *84.3%* | *60-140* | | | | | *03/01/2022 12:01* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <0.459U | mg/L | 1 | 0.459 | 4.59 | BFB3481 | 02/25/2022 21:19 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *68.0% S* | *70-130* | | | | | *02/25/2022 21:19* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *83.9%* | *70-130* | | | | | *02/25/2022 21:19* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150U | ug/L | 1 | 0.150 | 0.200 | BFB2807 | 02/22/2022 12:23 | KEV |
| EPA 200.8 | Selenium | A | <1.65U | ug/L | 5 | 1.65 | 25.0 | BFB2766 | 02/21/2022 13:29 | DAL |
| **Metals, Dissolved** | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <2.00A, U | ug/L | 10 | 2.00 | 10.0 | BFB2773 | 02/21/2022 14:51 | DAL |
| EPA 200.8 | Arsenic | A | 8.68 | ug/L | 10 | 1.00 | 5.00 | BFB2773 | 02/21/2022 14:51 | DAL |
| EPA 200.8 | Beryllium | A | <0.100A, U | ug/L | 10 | 0.100 | 2.00 | BFB2773 | 02/22/2022 09:41 | DAL |
| EPA 200.8 | Cadmium | A | <0.500A, U | ug/L | 10 | 0.500 | 10.0 | BFB2773 | 02/21/2022 14:51 | DAL |
| EPA 200.8 | Chromium | A | <0.800A, U | ug/L | 10 | 0.800 | 30.0 | BFB2773 | 02/21/2022 14:51 | DAL |
| EPA 200.8 | Copper | A | <2.00A, U | ug/L | 10 | 2.00 | 10.0 | BFB2773 | 02/21/2022 14:51 | DAL |
| Calc | Chromium (III) | | <2.30U | ug/L | 10 | 2.30 | 33.0 | [CALC] | 03/01/2022 21:01 | EM |
| SM 3500-Cr B | Chromium (VI) | A | 5.61 | ug/L | 1 | 1.50 | 3.00 | BFC0122 | 03/01/2022 21:01 | EM |
| EPA 200.8 | Lead | A | <1.00A, U | ug/L | 10 | 1.00 | 5.00 | BFB2773 | 02/21/2022 14:51 | DAL |
| EPA 200.8 | Nickel | A | <0.500A, U | ug/L | 10 | 0.500 | 10.0 | BFB2773 | 02/21/2022 14:51 | DAL |
| EPA 200.8 | Silver | A | <0.300A, U | ug/L | 10 | 0.300 | 5.00 | BFB2773 | 02/21/2022 14:51 | DAL |
| EPA 200.8 | Thallium | A | <0.300A, U | ug/L | 10 | 0.300 | 5.00 | BFB2773 | 02/21/2022 14:51 | DAL |
| EPA 200.8 | Zinc | A | <2.00A, U | ug/L | 10 | 2.00 | 20.0 | BFB2773 | 02/22/2022 09:41 | DAL |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-W (Continued)
Lab Sample ID: 22A3944-07
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/14/2022 17:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.375 | | mg/L | 2 | 0.0400 | 0.100 | BFB2941 | 02/24/2022 12:21 | JLK |
| SM 2520 B | Salinity | N | 27.1 | | Salinity units | 1 | 1.00 | 1.00 | BFC1379 | 03/10/2022 13:20 | CST |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 7.89 | | mg/L | 1 | 1.00 | 1.00 | BFB2790 | 02/22/2022 10:19 | BP |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-W
Lab Sample ID: 22A3944-07RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/14/2022 17:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/22/2022 15:04 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/22/2022 15:04 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/22/2022 15:04 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/22/2022 15:04 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *94.4%* | | *54.6-148* | | | | | *03/22/2022 15:04* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *116%* | | *55-152* | | | | | *03/22/2022 15:04* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *90.6%* | | *52.4-136* | | | | | *03/22/2022 15:04* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *114%* | | *52-162* | | | | | *03/22/2022 15:04* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *140%* | | *58.7-152* | | | | | *03/22/2022 15:04* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *92.8%* | | *51.9-147* | | | | | *03/22/2022 15:04* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-W
Lab Sample ID: 22A3944-07RE2
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/14/2022 17:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/25/2022 09:53 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.555 | BFB2791 | 03/25/2022 09:53 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *83.4%* | | *54.6-148* | | | | | *03/25/2022 09:53* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *86.7%* | | *55-152* | | | | | *03/25/2022 09:53* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *56.0%* | | *52.4-136* | | | | | *03/25/2022 09:53* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *99.8%* | | *52-162* | | | | | *03/25/2022 09:53* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *77.3%* | | *58.7-152* | | | | | *03/25/2022 09:53* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *73.7%* | | *51.9-147* | | | | | *03/25/2022 09:53* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-W
Lab Sample ID: 22A3944-08
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/22/2022 16:00
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <0.546 | U | ug/L | 1 | 0.546 | 1.10 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 2,4-Dichlorophenol | A | <0.546 | U | ug/L | 1 | 0.546 | 1.10 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <0.546 | U | ug/L | 1 | 0.546 | 1.10 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <4.39 | U | ug/L | 1 | 4.39 | 4.39 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 2-Chloronaphthalene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 2-Chlorophenol | A | <0.546 | U | ug/L | 1 | 0.546 | 1.10 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | <0.546 | U | ug/L | 1 | 0.546 | 1.10 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 2-Nitrophenol | A | <0.546 | U | ug/L | 1 | 0.546 | 1.10 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <0.546 | U | ug/L | 1 | 0.546 | 1.10 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | 4-Nitrophenol | A | <4.39 | U | ug/L | 1 | 4.39 | 4.39 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Acenaphthene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Acenaphthylene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Anthracene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <0.274 | U | ug/L | 1 | 0.274 | 1.10 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Chrysene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Diethyl phthalate | A | <0.274 | B, U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Dimethyl phthalate | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Fluoranthene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Fluorene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-W (Continued)
Lab Sample ID: 22A3944-08
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/22/2022 16:00
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | Hexachlorobenzene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Hexachloroethane | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Isophorone | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Naphthalene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Nitrobenzene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <0.274 | U | ug/L | 1 | 0.274 | 2.19 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | n-Nitrosodiphenylamine | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Pentachlorophenol | A | <0.546 | U | ug/L | 1 | 0.546 | 1.10 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Phenanthrene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Phenol, Total | A | 1.19 | | ug/L | 1 | 0.546 | 1.10 | BFB3690 | 03/04/2022 18:39 | KRB |
| SW-8270 | Pyrene | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/04/2022 18:39 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *127%* | | *54.6-148* | | | | | *03/04/2022 18:39* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *116%* | | *55-152* | | | | | *03/04/2022 18:39* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *105%* | | *52.4-136* | | | | | *03/04/2022 18:39* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *119%* | | *52-162* | | | | | *03/04/2022 18:39* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *107%* | | *58.7-152* | | | | | *03/04/2022 18:39* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *162%* | *S* | *51.9-147* | | | | | *03/04/2022 18:39* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | 4,4'-DDE | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | 4,4'-DDT | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Aldrin | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | delta-BHC | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Dieldrin | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Endosulfan I | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Endosulfan II | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Endrin | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-W (Continued)
Lab Sample ID: 22A3944-08
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/22/2022 16:00
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | |
| SW-8081 | Endrin aldehyde | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Endrin ketone | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | gamma-Chlordane | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Heptachlor | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Methoxychlor | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFB3715 | 03/08/2022 10:09 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.299U | ug/L | 1 | 0.299 | 0.299 | BFB3715 | 03/08/2022 10:09 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *156% S* | *60-140* | | | | | *03/08/2022 10:09* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *119%* | *60-140* | | | | | *03/08/2022 10:09* | |
| SW-8082 | PCBs, Total | A | <0.00600U | ug/L | 1 | 0.00600 | 0.120 | BFC0779 | 03/09/2022 01:01 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *89.7%* | *60-140* | | | | | *03/09/2022 01:01* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *70.9%* | *60-140* | | | | | *03/09/2022 01:01* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <0.448U | mg/L | 1 | 0.448 | 4.48 | BFC1098 | 03/11/2022 12:01 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *60.4% S* | *70-130* | | | | | *03/11/2022 12:01* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *85.3%* | *70-130* | | | | | *03/11/2022 12:01* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150U | ug/L | 1 | 0.150 | 0.200 | BFC0003 | 03/08/2022 12:06 | KEV |
| EPA 200.8 | Selenium | A | 3.45J | ug/L | 10 | 3.30 | 50.0 | BFC0427 | 03/03/2022 13:41 | DAL |
| **Metals, Dissolved** | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <2.00A, U | ug/L | 10 | 2.00 | 10.0 | BFC0228 | 03/02/2022 14:40 | DAL |
| EPA 200.8 | Arsenic | A | 7.21 | ug/L | 10 | 1.00 | 5.00 | BFC0228 | 03/02/2022 14:40 | DAL |
| EPA 200.8 | Beryllium | A | <0.100A, U | ug/L | 10 | 0.100 | 2.00 | BFC0228 | 03/02/2022 16:03 | DAL |
| EPA 200.8 | Cadmium | A | <0.500A, U | ug/L | 10 | 0.500 | 10.0 | BFC0228 | 03/02/2022 14:40 | DAL |
| EPA 200.8 | Chromium | A | <0.800A, U | ug/L | 10 | 0.800 | 30.0 | BFC0228 | 03/02/2022 14:40 | DAL |
| EPA 200.8 | Copper | A | 4.90J | ug/L | 10 | 2.00 | 10.0 | BFC0228 | 03/02/2022 14:40 | DAL |
| Calc | Chromium (III) | | <2.30U | ug/L | 10 | 2.30 | 33.0 | [CALC] | 03/14/2022 13:50 | CTC |
| SM 3500-Cr B | Chromium (VI) | A | 9.92 | ug/L | 1 | 1.50 | 3.00 | BFC1943 | 03/14/2022 13:50 | CTC |
| EPA 200.8 | Lead | A | <1.00A, U | ug/L | 10 | 1.00 | 5.00 | BFC0228 | 03/02/2022 14:40 | DAL |
| EPA 200.8 | Nickel | A | 0.893J | ug/L | 10 | 0.500 | 10.0 | BFC0228 | 03/02/2022 14:40 | DAL |
| EPA 200.8 | Silver | A | <0.300A, U | ug/L | 10 | 0.300 | 5.00 | BFC0228 | 03/02/2022 14:40 | DAL |
| EPA 200.8 | Thallium | A | <0.300A, U | ug/L | 10 | 0.300 | 5.00 | BFC0228 | 03/02/2022 14:40 | DAL |
| EPA 200.8 | Zinc | A | <2.00A, U | ug/L | 10 | 2.00 | 20.0 | BFC0228 | 03/02/2022 14:40 | DAL |
| **General Chemistry** | | | | | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-W (Continued)
Lab Sample ID: 22A3944-08
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/22/2022 16:00
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.558 | | mg/L | 1 | 0.0200 | 0.0500 | BFC2785 | 03/21/2022 12:27 | CST |
| SM 2520 B | Salinity | N | 27.6 | | Salinity units | 1 | 1.00 | 1.00 | BFC1379 | 03/10/2022 13:22 | CST |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 16.1 | | mg/L | 1 | 1.00 | 1.00 | BFB3688 | 03/01/2022 15:05 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-W
Lab Sample ID: 22A3944-08RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/22/2022 16:00
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/23/2022 06:13 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/23/2022 06:13 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/23/2022 06:13 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 1.74 | V | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/23/2022 06:13 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/23/2022 06:13 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *116%* | | *54.6-148* | | | | | *03/23/2022 06:13* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *127%* | | *55-152* | | | | | *03/23/2022 06:13* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *102%* | | *52.4-136* | | | | | *03/23/2022 06:13* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *139%* | | *52-162* | | | | | *03/23/2022 06:13* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *148%* | | *58.7-152* | | | | | *03/23/2022 06:13* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *111%* | | *51.9-147* | | | | | *03/23/2022 06:13* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-W
Lab Sample ID: 22A3944-08RE2
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/22/2022 16:00
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/25/2022 14:32 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <0.274 | U | ug/L | 1 | 0.274 | 0.549 | BFB3690 | 03/25/2022 14:32 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *103%* | | *54.6-148* | | | | | *03/25/2022 14:32* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *83.1%* | | *55-152* | | | | | *03/25/2022 14:32* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *53.9%* | | *52.4-136* | | | | | *03/25/2022 14:32* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *111%* | | *52-162* | | | | | *03/25/2022 14:32* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *84.0%* | | *58.7-152* | | | | | *03/25/2022 14:32* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *99.9%* | | *51.9-147* | | | | | *03/25/2022 14:32* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-W
Lab Sample ID: 22A3944-09
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/24/2022 12:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 2,4-Dichlorophenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <4.46 | U | ug/L | 1 | 4.46 | 4.46 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 2-Chlorophenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | 0.653 | J | ug/L | 1 | 0.555 | 1.12 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 2-Nitrophenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | 4-Nitrophenol | A | <4.46 | U | ug/L | 1 | 4.46 | 4.46 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Acenaphthene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Acenaphthylene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Anthracene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <0.279 | U | ug/L | 1 | 0.279 | 1.12 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Chrysene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Diethyl phthalate | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Dimethyl phthalate | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Sample Results
**(Continued)**

Client Sample ID: CDP-08-W (Continued)
Lab Sample ID: 22A3944-09
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/24/2022 12:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | Fluoranthene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Fluorene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Hexachlorobenzene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Hexachlorobutadiene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Hexachloroethane | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Isophorone | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Naphthalene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Nitrobenzene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <0.279 | U | ug/L | 1 | 0.279 | 2.23 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | n-Nitrosodiphenylamine | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Pentachlorophenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Phenanthrene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Phenol, Total | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFC0542 | 03/04/2022 19:31 | KRB |
| SW-8270 | Pyrene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/04/2022 19:31 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *92.7%* | | *54.6-148* | | | | | *03/04/2022 19:31* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *110%* | | *55-152* | | | | | *03/04/2022 19:31* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *106%* | | *52.4-136* | | | | | *03/04/2022 19:31* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *127%* | | *52-162* | | | | | *03/04/2022 19:31* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *87.4%* | | *58.7-152* | | | | | *03/04/2022 19:31* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *80.2%* | | *51.9-147* | | | | | *03/04/2022 19:31* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | 4,4'-DDE | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | 4,4'-DDT | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Aldrin | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | delta-BHC | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Dieldrin | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Endosulfan I | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-W (Continued)
Lab Sample ID: 22A3944-09
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/24/2022 12:25
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | |
| SW-8081 | Endosulfan II | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Endrin | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Endrin aldehyde | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Endrin ketone | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | gamma-Chlordane | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Heptachlor | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Methoxychlor | A | <0.00598U | ug/L | 1 | 0.00598 | 0.00598 | BFC0541 | 03/10/2022 05:37 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.299U | ug/L | 1 | 0.299 | 0.299 | BFC0541 | 03/10/2022 05:37 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *173% S* | *60-140* | | | | | *03/10/2022 05:37* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *123%* | *60-140* | | | | | *03/10/2022 05:37* | |
| SW-8082 | PCBs, Total | A | <0.00600U | ug/L | 1 | 0.00600 | 0.120 | BFC0779 | 03/09/2022 01:25 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *78.3%* | *60-140* | | | | | *03/09/2022 01:25* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *62.3%* | *60-140* | | | | | *03/09/2022 01:25* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <0.436U | mg/L | 1 | 0.436 | 4.36 | BFC1098 | 03/11/2022 12:25 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *67.0% S* | *70-130* | | | | | *03/11/2022 12:25* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *85.7%* | *70-130* | | | | | *03/11/2022 12:25* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150U | ug/L | 1 | 0.150 | 0.200 | BFC0003 | 03/08/2022 12:36 | KEV |
| EPA 200.8 | Selenium | A | <3.30A, U | ug/L | 10 | 3.30 | 50.0 | BFC0427 | 03/03/2022 14:05 | DAL |
| **Metals, Dissolved** | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <2.00A, U | ug/L | 10 | 2.00 | 10.0 | BFC0429 | 03/03/2022 13:48 | DAL |
| EPA 200.8 | Arsenic | A | 6.70 | ug/L | 10 | 1.00 | 5.00 | BFC0429 | 03/03/2022 14:05 | DAL |
| EPA 200.8 | Beryllium | A | <0.100A, U | ug/L | 10 | 0.100 | 2.00 | BFC0429 | 03/03/2022 14:05 | DAL |
| EPA 200.8 | Cadmium | A | <0.500A, U | ug/L | 10 | 0.500 | 10.0 | BFC0429 | 03/03/2022 14:05 | DAL |
| EPA 200.8 | Chromium | A | <0.800A, U | ug/L | 10 | 0.800 | 30.0 | BFC0429 | 03/03/2022 14:05 | DAL |
| EPA 200.8 | Copper | A | <2.00A, U | ug/L | 10 | 2.00 | 10.0 | BFC0429 | 03/03/2022 14:05 | DAL |
| Calc | Chromium (III) | | <2.30U | ug/L | 10 | 2.30 | 33.0 | [CALC] | 03/14/2022 13:51 | CTC |
| SM 3500-Cr B | Chromium (VI) | A | 6.12 | ug/L | 1 | 1.50 | 3.00 | BFC1943 | 03/14/2022 13:51 | CTC |
| EPA 200.8 | Lead | A | <1.00A, U | ug/L | 10 | 1.00 | 5.00 | BFC0429 | 03/03/2022 13:48 | DAL |
| EPA 200.8 | Nickel | A | <0.500A, U | ug/L | 10 | 0.500 | 10.0 | BFC0429 | 03/03/2022 14:05 | DAL |
| EPA 200.8 | Silver | A | <0.300A, U | ug/L | 10 | 0.300 | 5.00 | BFC0429 | 03/03/2022 14:05 | DAL |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-W (Continued)
Lab Sample ID: 22A3944-09
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/24/2022 12:25
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Dissolved (Continued)** | | | | | | | | | | |
| EPA 200.8 | Thallium | A | <0.300A, U | ug/L | 10 | 0.300 | 5.00 | BFC0429 | 03/03/2022 13:48 | DAL |
| EPA 200.8 | Zinc | A | <2.00A, U | ug/L | 10 | 2.00 | 20.0 | BFC0429 | 03/03/2022 14:05 | DAL |
| **General Chemistry** | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | <0.0200U | mg/L | 1 | 0.0200 | 0.0500 | BFC2072 | 03/16/2022 08:44 | JLK |
| SM 2520 B | Salinity | N | 27.6 | Salinity units | 1 | 1.00 | 1.00 | BFC1379 | 03/10/2022 13:24 | CST |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 99.2 | mg/L | 1 | 1.00 | 1.00 | BFC0540 | 03/04/2022 13:32 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-W
Lab Sample ID: 22A3944-09RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/24/2022 12:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/22/2022 23:48 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 1.51 | V | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/22/2022 23:48 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *92.2%* | | *54.6-148* | | | | | *03/22/2022 23:48* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *104%* | | *55-152* | | | | | *03/22/2022 23:48* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *88.2%* | | *52.4-136* | | | | | *03/22/2022 23:48* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *115%* | | *52-162* | | | | | *03/22/2022 23:48* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *114%* | | *58.7-152* | | | | | *03/22/2022 23:48* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *81.9%* | | *51.9-147* | | | | | *03/22/2022 23:48* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-W
Lab Sample ID: 22A3944-09RE2
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/24/2022 12:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/25/2022 05:49 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFC0542 | 03/25/2022 05:49 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *90.9%* | | *54.6-148* | | | | | *03/25/2022 05:49* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *88.5%* | | *55-152* | | | | | *03/25/2022 05:49* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *97.0%* | | *52.4-136* | | | | | *03/25/2022 05:49* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *111%* | | *52-162* | | | | | *03/25/2022 05:49* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *112%* | | *58.7-152* | | | | | *03/25/2022 05:49* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *66.5%* | | *51.9-147* | | | | | *03/25/2022 05:49* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-09-W | Sample Matrix: | Marine Water |
| Lab Sample ID: | 22A3944-10 | Date Collected: | 02/20/2022 17:25 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 2,4-Dichlorophenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <4.46 | U | ug/L | 1 | 4.46 | 4.46 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 2-Chloronaphthalene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 2-Chlorophenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 2-Nitrophenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <0.555 | U | ug/L | 1 | 0.555 | 1.12 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | 4-Nitrophenol | A | <4.46 | U | ug/L | 1 | 4.46 | 4.46 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Acenaphthene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Acenaphthylene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Anthracene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <0.279 | U | ug/L | 1 | 0.279 | 1.12 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Chrysene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Diethyl phthalate | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Dimethyl phthalate | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <0.279 | B, U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-W (Continued)
Lab Sample ID: 22A3944-10
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/20/2022 17:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | Fluoranthene | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Fluorene | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Hexachlorobenzene | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Hexachlorobutadiene | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Hexachloroethane | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Isophorone | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Naphthalene | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Nitrobenzene | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <0.279U | | ug/L | 1 | 0.279 | 2.23 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | n-Nitrosodiphenylamine | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Pentachlorophenol | A | <0.555U | | ug/L | 1 | 0.555 | 1.12 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Phenanthrene | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Phenol, Total | A | <0.555U | | ug/L | 1 | 0.555 | 1.12 | BFB3255 | 03/03/2022 01:24 | KRB |
| SW-8270 | Pyrene | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/03/2022 01:24 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *101%* | | *54.6-148* | | | | | *03/03/2022 01:24* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *99.9%* | | *55-152* | | | | | *03/03/2022 01:24* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *93.1%* | | *52.4-136* | | | | | *03/03/2022 01:24* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *90.8%* | | *52-162* | | | | | *03/03/2022 01:24* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *91.2%* | | *58.7-152* | | | | | *03/03/2022 01:24* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *76.0%* | | *51.9-147* | | | | | *03/03/2022 01:24* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00599U | | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | 4,4'-DDE | A | <0.00599U | | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | 4,4'-DDT | A | <0.00599U | | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Aldrin | A | <0.00599U | | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00599U | | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00599U | | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.00599U | | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00599U | | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | delta-BHC | A | <0.00599U | | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Dieldrin | A | <0.00599U | | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Endosulfan I | A | <0.00599U | | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-W (Continued)
Lab Sample ID: 22A3944-10
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/20/2022 17:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| SW-8081 | Endosulfan II | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Endrin | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Endrin aldehyde | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Endrin ketone | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | gamma-Chlordane | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Heptachlor | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Methoxychlor | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFB3080 | 03/03/2022 04:27 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.300 | U | ug/L | 1 | 0.300 | 0.300 | BFB3080 | 03/03/2022 04:27 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *158%* | *S* | *60-140* | | | | | *03/03/2022 04:27* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *115%* | | *60-140* | | | | | *03/03/2022 04:27* | |
| SW-8082 | PCBs, Total | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.120 | BFC0779 | 03/09/2022 01:49 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *72.0%* | | *60-140* | | | | | *03/09/2022 01:49* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *76.6%* | | *60-140* | | | | | *03/09/2022 01:49* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <0.453 | U | mg/L | 1 | 0.453 | 4.53 | BFB3481 | 02/25/2022 21:42 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *68.4%* | *S* | *70-130* | | | | | *02/25/2022 21:42* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *88.2%* | | *70-130* | | | | | *02/25/2022 21:42* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BFB3096 | 02/28/2022 13:15 | KEV |
| EPA 200.8 | Selenium | A | 3.07 | J | ug/L | 5 | 1.65 | 25.0 | BFB3630 | 02/28/2022 16:03 | DAL |
| **Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <2.00 | A, U | ug/L | 10 | 2.00 | 10.0 | BFC0228 | 03/02/2022 14:47 | DAL |
| EPA 200.8 | Arsenic | A | 8.88 | | ug/L | 10 | 1.00 | 5.00 | BFC0228 | 03/02/2022 14:47 | DAL |
| EPA 200.8 | Beryllium | A | <0.100 | A, U | ug/L | 10 | 0.100 | 2.00 | BFC0228 | 03/02/2022 16:10 | DAL |
| EPA 200.8 | Cadmium | A | <0.500 | A, U | ug/L | 10 | 0.500 | 10.0 | BFC0228 | 03/02/2022 14:47 | DAL |
| EPA 200.8 | Chromium | A | <0.800 | A, U | ug/L | 10 | 0.800 | 30.0 | BFC0228 | 03/02/2022 14:47 | DAL |
| EPA 200.8 | Copper | A | <2.00 | A, U | ug/L | 10 | 2.00 | 10.0 | BFC0228 | 03/02/2022 14:47 | DAL |
| Calc | Chromium (III) | | <2.30 | U | ug/L | 10 | 2.30 | 33.0 | [CALC] | 03/14/2022 13:52 | CTC |
| SM 3500-Cr B | Chromium (VI) | A | 5.46 | | ug/L | 1 | 1.50 | 3.00 | BFC1943 | 03/14/2022 13:52 | CTC |
| EPA 200.8 | Lead | A | <1.00 | A, U | ug/L | 10 | 1.00 | 5.00 | BFC0228 | 03/02/2022 14:47 | DAL |
| EPA 200.8 | Nickel | A | 0.820 | J | ug/L | 10 | 0.500 | 10.0 | BFC0228 | 03/02/2022 14:47 | DAL |
| EPA 200.8 | Silver | A | <0.300 | A, U | ug/L | 10 | 0.300 | 5.00 | BFC0228 | 03/02/2022 14:47 | DAL |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-W (Continued)
Lab Sample ID: 22A3944-10
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/20/2022 17:25
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Dissolved (Continued)** | | | | | | | | | | |
| EPA 200.8 | Thallium | A | <0.300A, U | ug/L | 10 | 0.300 | 5.00 | BFC0228 | 03/02/2022 14:47 | DAL |
| EPA 200.8 | Zinc | A | <2.00A, U | ug/L | 10 | 2.00 | 20.0 | BFC0228 | 03/02/2022 14:47 | DAL |
| **General Chemistry** | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.479H | mg/L | 1 | 0.0200 | 0.0500 | BFC2785 | 03/21/2022 12:28 | CST |
| SM 2520 B | Salinity | N | 27.6 | Salinity units | 1 | 1.00 | 1.00 | BFC1379 | 03/10/2022 13:26 | CST |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 33.8 | mg/L | 1 | 1.00 | 1.00 | BFB3065 | 02/24/2022 11:00 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-W
Lab Sample ID: 22A3944-10RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/20/2022 17:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/22/2022 19:44 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.279U | | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/22/2022 19:44 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *89.1%* | | *54.6-148* | | | | | *03/22/2022 19:44* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *103%* | | *55-152* | | | | | *03/22/2022 19:44* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *78.5%* | | *52.4-136* | | | | | *03/22/2022 19:44* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *110%* | | *52-162* | | | | | *03/22/2022 19:44* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *129%* | | *58.7-152* | | | | | *03/22/2022 19:44* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *67.8%* | | *51.9-147* | | | | | *03/22/2022 19:44* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-W
Lab Sample ID: 22A3944-10RE2
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 02/20/2022 17:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/24/2022 05:35 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.558 | BFB3255 | 03/24/2022 05:35 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *89.9%* | | *54.6-148* | | | | | *03/24/2022 05:35* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *99.7%* | | *55-152* | | | | | *03/24/2022 05:35* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *74.7%* | | *52.4-136* | | | | | *03/24/2022 05:35* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *91.6%* | | *52-162* | | | | | *03/24/2022 05:35* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *99.5%* | | *58.7-152* | | | | | *03/24/2022 05:35* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *60.5%* | | *51.9-147* | | | | | *03/24/2022 05:35* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-REF-W
Lab Sample ID: 22A3944-11
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 03/03/2022 10:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.275 | U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/01/2022 01:05 | KRB |
| SW-8270 | Benzidine | A | <0.275 | U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/01/2022 01:05 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *118%* | | *54.6-148* | | | | | *04/01/2022 01:05* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *77.6%* | | *55-152* | | | | | *04/01/2022 01:05* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *35.2%* | *S* | *52.4-136* | | | | | *04/01/2022 01:05* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *97.9%* | | *52-162* | | | | | *04/01/2022 01:05* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *72.5%* | | *58.7-152* | | | | | *04/01/2022 01:05* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *80.0%* | | *51.9-147* | | | | | *04/01/2022 01:05* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.120 | BFC2320 | 03/18/2022 04:09 | SO |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *114%* | | *60-140* | | | | | *03/18/2022 04:09* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *82.8%* | | *60-140* | | | | | *03/18/2022 04:09* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <0.448 | U | mg/L | 1 | 0.448 | 4.48 | BFC1098 | 03/11/2022 13:12 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *62.8%* | *S* | *70-130* | | | | | *03/11/2022 13:12* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *88.8%* | | *70-130* | | | | | *03/11/2022 13:12* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BFC0003 | 03/08/2022 12:49 | KEV |
| EPA 200.8 | Selenium | A | <3.30 | A, U | ug/L | 10 | 3.30 | 50.0 | BFC1059 | 03/08/2022 13:05 | DAL |
| **Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <2.00 | A, U | ug/L | 10 | 2.00 | 10.0 | BFC1109 | 03/09/2022 12:20 | DAL |
| EPA 200.8 | Arsenic | A | 6.70 | | ug/L | 10 | 1.00 | 5.00 | BFC1109 | 03/09/2022 12:20 | DAL |
| EPA 200.8 | Beryllium | A | <0.100 | A, U | ug/L | 10 | 0.100 | 2.00 | BFC1109 | 03/10/2022 13:06 | DAL |
| EPA 200.8 | Cadmium | A | <0.500 | A, U | ug/L | 10 | 0.500 | 10.0 | BFC1109 | 03/09/2022 12:20 | DAL |
| EPA 200.8 | Chromium | A | <0.800 | A, U | ug/L | 10 | 0.800 | 30.0 | BFC1109 | 03/09/2022 12:20 | DAL |
| EPA 200.8 | Copper | A | <2.00 | A, B, U | ug/L | 10 | 2.00 | 10.0 | BFC1109 | 03/09/2022 12:20 | DAL |
| Calc | Chromium (III) | | <2.30 | U | ug/L | 10 | 2.30 | 33.0 | [CALC] | 03/09/2022 19:13 | EM |
| SM 3500-Cr B | Chromium (VI) | A | 6.14 | | ug/L | 1 | 1.50 | 3.00 | BFC1350 | 03/09/2022 19:13 | EM |
| EPA 200.8 | Lead | A | <1.00 | A, U | ug/L | 10 | 1.00 | 5.00 | BFC1109 | 03/09/2022 12:20 | DAL |
| EPA 200.8 | Nickel | A | 0.655 | V, J | ug/L | 10 | 0.500 | 10.0 | BFC1109 | 03/09/2022 12:20 | DAL |
| EPA 200.8 | Silver | A | <0.300 | U | ug/L | 10 | 0.300 | 5.00 | BFC1109 | 03/09/2022 12:20 | DAL |
| EPA 200.8 | Thallium | A | <0.300 | A, U | ug/L | 10 | 0.300 | 5.00 | BFC1109 | 03/09/2022 12:20 | DAL |
| EPA 200.8 | Zinc | A | <2.00 | A, U | ug/L | 10 | 2.00 | 20.0 | BFC1109 | 03/09/2022 15:45 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.438 | | mg/L | 1 | 0.0200 | 0.0500 | BFC2072 | 03/16/2022 08:46 | JLK |
| SM 2520 B | Salinity | N | 27.8 | | Salinity units | 1 | 1.00 | 1.00 | BFC1379 | 03/10/2022 13:28 | CST |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-REF-W (Continued)
Lab Sample ID: 22A3944-11
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 03/03/2022 10:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 2.00 | | mg/L | 1 | 1.00 | 1.00 | BFC1141 | 03/09/2022 13:16 | AKA |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-REF-W
Lab Sample ID: 22A3944-11RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 03/03/2022 10:25
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <0.549U | ug/L | 1 | 0.549 | 1.10 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.549U | ug/L | 1 | 0.549 | 1.10 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.549U | ug/L | 1 | 0.549 | 1.10 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.41U | ug/L | 1 | 4.41 | 4.41 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.549U | ug/L | 1 | 0.549 | 1.10 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.549U | ug/L | 1 | 0.549 | 1.10 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.549U | ug/L | 1 | 0.549 | 1.10 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.549U | ug/L | 1 | 0.549 | 1.10 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.41U | ug/L | 1 | 4.41 | 4.41 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 1.10 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-REF-W (Continued)
Lab Sample ID: 22A3944-11RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 03/03/2022 10:25
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <0.275B, U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 0.527V, J | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 2.20 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.549U | ug/L | 1 | 0.549 | 1.10 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.709J | ug/L | 1 | 0.549 | 1.10 | BFC1100 | 04/12/2022 03:27 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.275U | ug/L | 1 | 0.275 | 0.551 | BFC1100 | 04/12/2022 03:27 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *97.8%* | *54.6-148* | | | | | *04/12/2022 03:27* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *117%* | *55-152* | | | | | *04/12/2022 03:27* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *94.2%* | *52.4-136* | | | | | *04/12/2022 03:27* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *105%* | *52-162* | | | | | *04/12/2022 03:27* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *123%* | *58.7-152* | | | | | *04/12/2022 03:27* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *105%* | *51.9-147* | | | | | *04/12/2022 03:27* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-REF-W (Continued)
Lab Sample ID: 22A3944-11RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 03/03/2022 10:25
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD (Rerun) | A | <0.00596 | CQ, U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | 4,4'-DDE (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | 4,4'-DDT (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Aldrin (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) (Rerun) | A | <0.00596 | CQ, U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Chlordane (tech.) (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | delta-BHC (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Dieldrin (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Endosulfan I (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Endosulfan II (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Endosulfan sulfate (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Endrin (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Endrin aldehyde (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Endrin ketone (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | gamma-Chlordane (Rerun) | A | <0.00596 | CQ, U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Heptachlor (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Heptachlor epoxide (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Methoxychlor (Rerun) | A | <0.00596 | U | ug/L | 1 | 0.00596 | 0.00596 | BFC1112 | 03/22/2022 01:37 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) (Rerun) | A | <0.298 | U | ug/L | 1 | 0.298 | 0.298 | BFC1112 | 03/22/2022 01:37 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *135%* | | *60-140* | | | | | *03/22/2022 01:37* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr (Rerun)* | | *114%* | | *60-140* | | | | | *03/22/2022 01:37* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-ODMDS-W
Lab Sample ID: 22A3944-12
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 03/03/2022 12:02
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/01/2022 01:40 | KRB |
| SW-8270 | Benzidine | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/01/2022 01:40 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *111%* | | *54.6-148* | | | | | *04/01/2022 01:40* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *85.7%* | | *55-152* | | | | | *04/01/2022 01:40* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *41.0%* | *S* | *52.4-136* | | | | | *04/01/2022 01:40* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *117%* | | *52-162* | | | | | *04/01/2022 01:40* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *85.9%* | | *58.7-152* | | | | | *04/01/2022 01:40* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *78.1%* | | *51.9-147* | | | | | *04/01/2022 01:40* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.120 | BFC2320 | 03/18/2022 04:57 | SO |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *113%* | | *60-140* | | | | | *03/18/2022 04:57* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *80.4%* | | *60-140* | | | | | *03/18/2022 04:57* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <0.442 | U | mg/L | 1 | 0.442 | 4.42 | BFC1098 | 03/11/2022 13:36 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *66.3%* | *S* | *70-130* | | | | | *03/11/2022 13:36* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *84.4%* | | *70-130* | | | | | *03/11/2022 13:36* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BFC0003 | 03/08/2022 12:52 | KEV |
| EPA 200.8 | Selenium | A | <3.30 | A, U | ug/L | 10 | 3.30 | 50.0 | BFC1059 | 03/08/2022 13:08 | DAL |
| **Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <2.00 | A, U | ug/L | 10 | 2.00 | 10.0 | BFC1109 | 03/09/2022 12:23 | DAL |
| EPA 200.8 | Arsenic | A | 6.65 | | ug/L | 10 | 1.00 | 5.00 | BFC1109 | 03/09/2022 12:23 | DAL |
| EPA 200.8 | Beryllium | A | <0.100 | A, U | ug/L | 10 | 0.100 | 2.00 | BFC1109 | 03/10/2022 13:08 | DAL |
| EPA 200.8 | Cadmium | A | <0.500 | A, U | ug/L | 10 | 0.500 | 10.0 | BFC1109 | 03/09/2022 12:23 | DAL |
| EPA 200.8 | Chromium | A | <0.800 | A, U | ug/L | 10 | 0.800 | 30.0 | BFC1109 | 03/09/2022 12:23 | DAL |
| EPA 200.8 | Copper | A | <2.00 | A, B, U | ug/L | 10 | 2.00 | 10.0 | BFC1109 | 03/09/2022 12:23 | DAL |
| Calc | Chromium (III) | | <2.30 | U | ug/L | 10 | 2.30 | 33.0 | [CALC] | 03/09/2022 19:14 | EM |
| SM 3500-Cr B | Chromium (VI) | A | 6.34 | | ug/L | 1 | 1.50 | 3.00 | BFC1350 | 03/09/2022 19:14 | EM |
| EPA 200.8 | Lead | A | <1.00 | A, U | ug/L | 10 | 1.00 | 5.00 | BFC1109 | 03/09/2022 12:23 | DAL |
| EPA 200.8 | Nickel | A | 1.20 | V, J | ug/L | 10 | 0.500 | 10.0 | BFC1109 | 03/09/2022 12:23 | DAL |
| EPA 200.8 | Silver | A | <0.300 | U | ug/L | 10 | 0.300 | 5.00 | BFC1109 | 03/09/2022 12:23 | DAL |
| EPA 200.8 | Thallium | A | <0.300 | A, U | ug/L | 10 | 0.300 | 5.00 | BFC1109 | 03/09/2022 12:23 | DAL |
| EPA 200.8 | Zinc | A | <2.00 | A, U | ug/L | 10 | 2.00 | 20.0 | BFC1109 | 03/09/2022 15:48 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.480 | | mg/L | 1 | 0.0200 | 0.0500 | BFC2072 | 03/16/2022 08:50 | JLK |
| SM 2520 B | Salinity | N | 27.8 | | Salinity units | 1 | 1.00 | 1.00 | BFC1379 | 03/10/2022 13:30 | CST |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-ODMDS-W (Continued)
Lab Sample ID: 22A3944-12
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 03/03/2022 12:02
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 3.05 | | mg/L | 1 | 1.00 | 1.00 | BFC1141 | 03/09/2022 13:16 | AKA |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-ODMDS-W
Lab Sample ID: 22A3944-12RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 03/03/2022 12:02
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <0.555 | U | ug/L | 1 | 0.555 | 1.11 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.555 | U | ug/L | 1 | 0.555 | 1.11 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.555 | U | ug/L | 1 | 0.555 | 1.11 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.46 | U | ug/L | 1 | 4.46 | 4.46 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.555 | U | ug/L | 1 | 0.555 | 1.11 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.555 | U | ug/L | 1 | 0.555 | 1.11 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.555 | U | ug/L | 1 | 0.555 | 1.11 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.555 | U | ug/L | 1 | 0.555 | 1.11 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.46 | U | ug/L | 1 | 4.46 | 4.46 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 1.11 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-ODMDS-W (Continued)
Lab Sample ID: 22A3944-12RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 03/03/2022 12:02
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <0.278 | B, U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 0.523 | V, J | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 2.23 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.555 | U | ug/L | 1 | 0.555 | 1.11 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.814 | J | ug/L | 1 | 0.555 | 1.11 | BFC1100 | 04/12/2022 04:02 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BFC1100 | 04/12/2022 04:02 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *102%* | | *54.6-148* | | | | | *04/12/2022 04:02* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *126%* | | *55-152* | | | | | *04/12/2022 04:02* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *103%* | | *52.4-136* | | | | | *04/12/2022 04:02* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *120%* | | *52-162* | | | | | *04/12/2022 04:02* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *137%* | | *58.7-152* | | | | | *04/12/2022 04:02* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *114%* | | *51.9-147* | | | | | *04/12/2022 04:02* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-ODMDS-W (Continued)
Lab Sample ID: 22A3944-12RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 03/03/2022 12:02
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD (Rerun) | A | <0.00597 | CQ, U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | 4,4'-DDE (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | 4,4'-DDT (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Aldrin (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) (Rerun) | A | <0.00597 | CQ, U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Chlordane (tech.) (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | delta-BHC (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Dieldrin (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Endosulfan I (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Endosulfan II (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Endosulfan sulfate (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Endrin (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Endrin aldehyde (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Endrin ketone (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | gamma-Chlordane (Rerun) | A | <0.00597 | CQ, U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Heptachlor (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Heptachlor epoxide (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Methoxychlor (Rerun) | A | <0.00597 | U | ug/L | 1 | 0.00597 | 0.00597 | BFC1112 | 03/22/2022 02:01 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) (Rerun) | A | <0.298 | U | ug/L | 1 | 0.298 | 0.298 | BFC1112 | 03/22/2022 02:01 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *130%* | | *60-140* | | | | | *03/22/2022 02:01* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr (Rerun)* | | *112%* | | *60-140* | | | | | *03/22/2022 02:01* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-E
Lab Sample ID: 22A3944-18
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/27/2022 12:24
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 03/31/2022 23:20 | KRB |
| SW-8270 | Benzidine | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 03/31/2022 23:20 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *112%* | | *54.6-148* | | | | | *03/31/2022 23:20* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *106%* | | *55-152* | | | | | *03/31/2022 23:20* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *94.7%* | | *52.4-136* | | | | | *03/31/2022 23:20* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *129%* | | *52-162* | | | | | *03/31/2022 23:20* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *94.5%* | | *58.7-152* | | | | | *03/31/2022 23:20* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *79.9%* | | *51.9-147* | | | | | *03/31/2022 23:20* | |
| **Elutriate Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.120 | BFC0779 | 03/09/2022 02:36 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *87.8%* | | *60-140* | | | | | *03/09/2022 02:36* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *74.7%* | | *60-140* | | | | | *03/09/2022 02:36* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <0.442 | U | mg/L | 1 | 0.442 | 4.42 | BFC1098 | 03/11/2022 11:15 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *64.1%* | *S* | *70-130* | | | | | *03/11/2022 11:15* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *86.7%* | | *70-130* | | | | | *03/11/2022 11:15* | |
| **Elutriate Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <2.00 | A, U | ug/L | 10 | 2.00 | 10.0 | BFC0948 | 03/07/2022 16:03 | DAL |
| EPA 200.8 | Arsenic | A | 7.84 | | ug/L | 10 | 1.00 | 5.00 | BFC0948 | 03/07/2022 16:03 | DAL |
| EPA 200.8 | Beryllium | A | <0.100 | A, U | ug/L | 10 | 0.100 | 2.00 | BFC0948 | 03/08/2022 10:42 | DAL |
| EPA 200.8 | Cadmium | A | <0.500 | A, U | ug/L | 10 | 0.500 | 10.0 | BFC0948 | 03/07/2022 16:03 | DAL |
| EPA 200.8 | Chromium | A | <0.800 | A, U | ug/L | 10 | 0.800 | 30.0 | BFC0948 | 03/07/2022 16:03 | DAL |
| EPA 200.8 | Copper | A | <2.00 | A, B, U | ug/L | 10 | 2.00 | 10.0 | BFC0948 | 03/07/2022 16:03 | DAL |
| Calc | Chromium (III) | | <2.30 | U | ug/L | 10 | 2.30 | 33.0 | [CALC] | 03/09/2022 19:14 | EM |
| SM 3500-Cr B | Chromium (VI) | A | 0.0266 | V | mg/L | 1 | 0.00150 | 0.00300 | BFC1350 | 03/09/2022 19:14 | EM |
| EPA 200.8 | Lead | A | <1.00 | A, U | ug/L | 10 | 1.00 | 5.00 | BFC0948 | 03/07/2022 16:03 | DAL |
| EPA 200.8 | Nickel | A | 2.60 | V, J | ug/L | 10 | 0.500 | 10.0 | BFC0948 | 03/07/2022 16:03 | DAL |
| EPA 200.8 | Silver | A | <0.300 | A, U | ug/L | 10 | 0.300 | 5.00 | BFC0948 | 03/07/2022 16:03 | DAL |
| EPA 200.8 | Thallium | A | <0.300 | A, U | ug/L | 10 | 0.300 | 5.00 | BFC0948 | 03/07/2022 16:03 | DAL |
| EPA 200.8 | Zinc | A | <2.00 | A, B, U | ug/L | 10 | 2.00 | 20.0 | BFC0948 | 03/08/2022 10:42 | DAL |
| **Elutriate Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BFC0003 | 03/08/2022 12:39 | KEV |
| EPA 200.8 | Selenium | A | <3.30 | A, U | ug/L | 10 | 3.30 | 50.0 | BFC0947 | 03/07/2022 15:37 | DAL |
| **Elutriate General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.600 | | mg/L | 5 | 0.100 | 0.250 | BFC2072 | 03/16/2022 10:37 | JLK |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 2.79 | B1, V | mg/L | 1 | 1.00 | 1.00 | BFC0770 | 03/04/2022 14:47 | TEJ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-06-E | Sample Matrix: | Elutriate |
| Lab Sample ID: | 22A3944-18RE1 | Date Collected: | 02/27/2022 12:24 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <0.556 | U | ug/L | 1 | 0.556 | 1.12 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.556 | U | ug/L | 1 | 0.556 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.556 | U | ug/L | 1 | 0.556 | 1.12 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.47 | U | ug/L | 1 | 4.47 | 4.47 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.556 | U | ug/L | 1 | 0.556 | 1.12 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.556 | U | ug/L | 1 | 0.556 | 1.12 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.556 | U | ug/L | 1 | 0.556 | 1.12 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.556 | U | ug/L | 1 | 0.556 | 1.12 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.47 | U | ug/L | 1 | 4.47 | 4.47 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.559 | U | ug/L | 1 | 0.559 | 1.12 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-E (Continued)
Lab Sample ID: 22A3944-18RE1
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/27/2022 12:24
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 0.973 | CQd, V | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 1.26 | CQd, V | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 2.23 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.556 | U | ug/L | 1 | 0.556 | 1.12 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.921 | J | ug/L | 1 | 0.556 | 1.12 | BFC1100 | 04/12/2022 01:42 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 01:42 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *103%* | | *54.6-148* | | | | | *04/12/2022 01:42* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *123%* | | *55-152* | | | | | *04/12/2022 01:42* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *99.2%* | | *52.4-136* | | | | | *04/12/2022 01:42* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *119%* | | *52-162* | | | | | *04/12/2022 01:42* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *115%* | | *58.7-152* | | | | | *04/12/2022 01:42* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *102%* | | *51.9-147* | | | | | *04/12/2022 01:42* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-E (Continued)
Lab Sample ID: 22A3944-18RE1
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/27/2022 12:24
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD (Rerun) | A | <0.00600 | CQ, U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | 4,4'-DDE (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | 4,4'-DDT (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Aldrin (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) (Rerun) | A | <0.00600 | CQ, U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Chlordane (tech.) (Rerun) | A | <0.00600 | CQe, U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | delta-BHC (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Dieldrin (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Endosulfan I (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Endosulfan II (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Endosulfan sulfate (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Endrin (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Endrin aldehyde (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Endrin ketone (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | gamma-Chlordane (Rerun) | A | <0.00600 | CQ, U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Heptachlor (Rerun) | A | <0.00600 | CQe, U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Heptachlor epoxide (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Methoxychlor (Rerun) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BFC1112 | 03/22/2022 01:12 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) (Rerun) | A | <0.300 | U | ug/L | 1 | 0.300 | 0.300 | BFC1112 | 03/22/2022 01:12 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *146%* | *S* | *60-140* | | | | | *03/22/2022 01:12* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr (Rerun)* | | *108%* | | *60-140* | | | | | *03/22/2022 01:12* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-E
Lab Sample ID: 22A3944-19
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/16/2022 18:47
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/02/2022 04:45 | KRB |
| SW-8270 | Benzidine | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/02/2022 04:45 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *94.5%* | | *54.6-148* | | | | | *04/02/2022 04:45* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *98.0%* | | *55-152* | | | | | *04/02/2022 04:45* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *102%* | | *52.4-136* | | | | | *04/02/2022 04:45* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *129%* | | *52-162* | | | | | *04/02/2022 04:45* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *87.1%* | | *58.7-152* | | | | | *04/02/2022 04:45* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *76.3%* | | *51.9-147* | | | | | *04/02/2022 04:45* | |
| **Elutriate Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | 4,4'-DDE | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | 4,4'-DDT | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Aldrin | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | delta-BHC | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Dieldrin | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Endosulfan I | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Endosulfan II | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Endrin | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Endrin aldehyde | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Endrin ketone | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | gamma-Chlordane | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Heptachlor | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Methoxychlor | A | <0.00598 | U | ug/L | 1 | 0.00598 | 0.00598 | BFC2100 | 03/19/2022 14:35 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.299 | U | ug/L | 1 | 0.299 | 0.299 | BFC2100 | 03/19/2022 14:35 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *97.2%* | | *60-140* | | | | | *03/19/2022 14:35* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-E (Continued)
Lab Sample ID: 22A3944-19
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/16/2022 18:47
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *80.2%* | | *60-140* | | | | | *03/19/2022 14:35* | |
| SW-8082 | PCBs, Total | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.120 | BFC2320 | 03/18/2022 05:22 | SO |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *112%* | | *60-140* | | | | | *03/18/2022 05:22* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *80.2%* | | *60-140* | | | | | *03/18/2022 05:22* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | 0.481 | A, V, J | mg/L | 1 | 0.452 | 9.05 | BFC2789 | 03/22/2022 21:56 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *82.5%* | | *70-130* | | | | | *03/22/2022 21:56* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *79.5%* | | *70-130* | | | | | *03/22/2022 21:56* | |
| **Elutriate Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <2.00 | A, U | ug/L | 10 | 2.00 | 10.0 | BFC1435 | 03/14/2022 09:26 | DAL |
| EPA 200.8 | Arsenic | A | 8.37 | | ug/L | 10 | 1.00 | 5.00 | BFC1435 | 03/14/2022 09:26 | DAL |
| EPA 200.8 | Beryllium | A | <0.100 | A, U | ug/L | 10 | 0.100 | 2.00 | BFC1435 | 03/14/2022 12:21 | DAL |
| EPA 200.8 | Cadmium | A | <0.500 | A, U | ug/L | 10 | 0.500 | 10.0 | BFC1435 | 03/14/2022 09:26 | DAL |
| EPA 200.8 | Chromium | A | <0.800 | A, U | ug/L | 10 | 0.800 | 30.0 | BFC1435 | 03/14/2022 09:26 | DAL |
| EPA 200.8 | Copper | A | <2.00 | A, U | ug/L | 10 | 2.00 | 10.0 | BFC1435 | 03/14/2022 09:26 | DAL |
| Calc | Chromium (III) | | <2.30 | U | ug/L | 10 | 2.30 | 33.0 | [CALC] | 03/14/2022 09:26 | EM |
| SM 3500-Cr B | Chromium (VI) | A | 0.0120 | V | mg/L | 1 | 0.00150 | 0.00300 | BFC1350 | 03/09/2022 19:15 | EM |
| EPA 200.8 | Lead | A | <1.00 | A, U | ug/L | 10 | 1.00 | 5.00 | BFC1435 | 03/14/2022 09:26 | DAL |
| EPA 200.8 | Nickel | A | 4.07 | J | ug/L | 10 | 0.500 | 10.0 | BFC1435 | 03/14/2022 09:26 | DAL |
| EPA 200.8 | Silver | A | <0.300 | A, U | ug/L | 10 | 0.300 | 5.00 | BFC1435 | 03/14/2022 09:26 | DAL |
| EPA 200.8 | Thallium | A | <0.300 | A, U | ug/L | 10 | 0.300 | 5.00 | BFC1435 | 03/14/2022 09:26 | DAL |
| EPA 200.8 | Zinc | A | <2.00 | A, U | ug/L | 10 | 2.00 | 20.0 | BFC1435 | 03/14/2022 12:21 | DAL |
| **Elutriate Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BFC1270 | 03/16/2022 16:12 | KEV |
| EPA 200.8 | Selenium | A | <3.30 | A, U | ug/L | 10 | 3.30 | 50.0 | BFC1393 | 03/11/2022 12:53 | DAL |
| **Elutriate General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.0552 | | mg/L | 1 | 0.0200 | 0.0500 | BFC2072 | 03/16/2022 08:40 | CST |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 5.78 | V | mg/L | 1 | 1.00 | 1.00 | BFC1312 | 03/09/2022 15:05 | AKA |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-07-E | Sample Matrix: | Elutriate |
| Lab Sample ID: | 22A3944-19RE1 | Date Collected: | 02/16/2022 18:47 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.48 | U | ug/L | 1 | 4.48 | 4.48 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.48 | U | ug/L | 1 | 4.48 | 4.48 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-E (Continued)
Lab Sample ID: 22A3944-19RE1
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/16/2022 18:47
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 1.14 | V | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 2.24 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.870 | CQd, V, J | ug/L | 1 | 0.557 | 1.12 | BFC1759 | 04/12/2022 18:13 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BFC1759 | 04/12/2022 18:13 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *105%* | | *54.6-148* | | | | | *04/12/2022 18:13* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *132%* | | *55-152* | | | | | *04/12/2022 18:13* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *98.0%* | | *52.4-136* | | | | | *04/12/2022 18:13* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *112%* | | *52-162* | | | | | *04/12/2022 18:13* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *173%* | *S* | *58.7-152* | | | | | *04/12/2022 18:13* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *94.6%* | | *51.9-147* | | | | | *04/12/2022 18:13* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-08-E | Sample Matrix: | Elutriate |
| Lab Sample ID: | 22A3944-20 | Date Collected: | 02/24/2022 17:50 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 03/31/2022 23:55 | KRB |
| SW-8270 | Benzidine | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 03/31/2022 23:55 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *126%* | | *54.6-148* | | | | | *03/31/2022 23:55* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *82.2%* | | *55-152* | | | | | *03/31/2022 23:55* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *101%* | | *52.4-136* | | | | | *03/31/2022 23:55* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *116%* | | *52-162* | | | | | *03/31/2022 23:55* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *75.9%* | | *58.7-152* | | | | | *03/31/2022 23:55* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *97.8%* | | *51.9-147* | | | | | *03/31/2022 23:55* | |
| **Elutriate Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.120 | BFC0779 | 03/09/2022 03:00 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *87.1%* | | *60-140* | | | | | *03/09/2022 03:00* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *83.1%* | | *60-140* | | | | | *03/09/2022 03:00* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <0.438 | U | mg/L | 1 | 0.438 | 4.38 | BFC1098 | 03/11/2022 10:51 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *68.5%* | *S* | *70-130* | | | | | *03/11/2022 10:51* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *90.0%* | | *70-130* | | | | | *03/11/2022 10:51* | |
| **Elutriate Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <2.00 | A, U | ug/L | 10 | 2.00 | 10.0 | BFC0948 | 03/07/2022 16:11 | DAL |
| EPA 200.8 | Arsenic | A | 5.59 | | ug/L | 10 | 1.00 | 5.00 | BFC0948 | 03/07/2022 16:11 | DAL |
| EPA 200.8 | Beryllium | A | <0.100 | A, U | ug/L | 10 | 0.100 | 2.00 | BFC0948 | 03/08/2022 10:49 | DAL |
| EPA 200.8 | Cadmium | A | <0.500 | A, U | ug/L | 10 | 0.500 | 10.0 | BFC0948 | 03/07/2022 16:11 | DAL |
| EPA 200.8 | Chromium | A | <0.800 | A, U | ug/L | 10 | 0.800 | 30.0 | BFC0948 | 03/07/2022 16:11 | DAL |
| EPA 200.8 | Copper | A | <2.00 | A, B, U | ug/L | 10 | 2.00 | 10.0 | BFC0948 | 03/07/2022 16:11 | DAL |
| Calc | Chromium (III) | | <2.30 | U | ug/L | 10 | 2.30 | 33.0 | [CALC] | 03/09/2022 19:15 | EM |
| SM 3500-Cr B | Chromium (VI) | A | 0.0270 | V | mg/L | 1 | 0.00150 | 0.00300 | BFC1350 | 03/09/2022 19:15 | EM |
| EPA 200.8 | Lead | A | <1.00 | A, U | ug/L | 10 | 1.00 | 5.00 | BFC0948 | 03/07/2022 16:11 | DAL |
| EPA 200.8 | Nickel | A | 3.17 | V, J | ug/L | 10 | 0.500 | 10.0 | BFC0948 | 03/07/2022 16:11 | DAL |
| EPA 200.8 | Silver | A | <0.300 | A, U | ug/L | 10 | 0.300 | 5.00 | BFC0948 | 03/07/2022 16:11 | DAL |
| EPA 200.8 | Thallium | A | <0.300 | A, U | ug/L | 10 | 0.300 | 5.00 | BFC0948 | 03/07/2022 16:11 | DAL |
| EPA 200.8 | Zinc | A | 2.16 | V, J | ug/L | 10 | 2.00 | 20.0 | BFC0948 | 03/08/2022 10:49 | DAL |
| **Elutriate Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BFC0003 | 03/08/2022 12:42 | KEV |
| EPA 200.8 | Selenium | A | <3.30 | A, U | ug/L | 10 | 3.30 | 50.0 | BFC0947 | 03/07/2022 15:45 | DAL |
| **Elutriate General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.630 | | mg/L | 5 | 0.100 | 0.250 | BFC2072 | 03/16/2022 10:36 | JLK |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 2.42 | B1, V | mg/L | 1 | 1.00 | 1.00 | BFC0770 | 03/04/2022 14:47 | TEJ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-E
Lab Sample ID: 22A3944-20RE1
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/24/2022 17:50
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.47 | U | ug/L | 1 | 4.47 | 4.47 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.47 | U | ug/L | 1 | 4.47 | 4.47 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.559 | U | ug/L | 1 | 0.559 | 1.12 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-E (Continued)
Lab Sample ID: 22A3944-20RE1
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/24/2022 17:50
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 0.384 | CQd, V, J | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 1.48 | CQd, V | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 2.24 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.820 | J | ug/L | 1 | 0.557 | 1.12 | BFC1100 | 04/12/2022 02:17 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BFC1100 | 04/12/2022 02:17 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *97.5%* | | *54.6-148* | | | | | *04/12/2022 02:17* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *119%* | | *55-152* | | | | | *04/12/2022 02:17* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *96.6%* | | *52.4-136* | | | | | *04/12/2022 02:17* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *113%* | | *52-162* | | | | | *04/12/2022 02:17* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *125%* | | *58.7-152* | | | | | *04/12/2022 02:17* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *107%* | | *51.9-147* | | | | | *04/12/2022 02:17* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-08-E (Continued) | Sample Matrix: | Elutriate |
| Lab Sample ID: | 22A3944-20RE1 | Date Collected: | 02/24/2022 17:50 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD (Rerun) | A | <0.00599 | CQ, U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | 4,4'-DDE (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | 4,4'-DDT (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Aldrin (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) (Rerun) | A | <0.00599 | CQ, U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Chlordane (tech.) (Rerun) | A | <0.00599 | CQe, U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | delta-BHC (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Dieldrin (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Endosulfan I (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Endosulfan II (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Endosulfan sulfate (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Endrin (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Endrin aldehyde (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Endrin ketone (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | gamma-Chlordane (Rerun) | A | <0.00599 | CQ, U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Heptachlor (Rerun) | A | <0.00599 | CQe, U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Heptachlor epoxide (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Methoxychlor (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:25 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) (Rerun) | A | <0.299 | U | ug/L | 1 | 0.299 | 0.299 | BFC1112 | 03/22/2022 02:25 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *137%* | | *60-140* | | | | | *03/22/2022 02:25* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr (Rerun)* | | *107%* | | *60-140* | | | | | *03/22/2022 02:25* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 (Rerun) | A | <0.438 | U | mg/L | 1 | 0.438 | 4.38 | BFC1098 | 03/22/2022 00:02 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr (Rerun)* | | *84.0%* | | *70-130* | | | | | *03/22/2022 00:02* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr (Rerun)* | | *93.5%* | | *70-130* | | | | | *03/22/2022 00:02* | |

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TCEQ-TOX T104704202-21-16

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-09-E | Sample Matrix: | Elutriate |
| Lab Sample ID: | 22A3944-21 | Date Collected: | 02/20/2022 15:30 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <0.558 | U | ug/L | 1 | 0.558 | 1.12 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 2,4-Dichlorophenol | A | <0.558 | U | ug/L | 1 | 0.558 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <0.558 | U | ug/L | 1 | 0.558 | 1.12 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <4.49 | U | ug/L | 1 | 4.49 | 4.49 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 2-Chloronaphthalene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 2-Chlorophenol | A | <0.558 | U | ug/L | 1 | 0.558 | 1.12 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | <0.558 | U | ug/L | 1 | 0.558 | 1.12 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 2-Nitrophenol | A | <0.558 | U | ug/L | 1 | 0.558 | 1.12 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <0.558 | U | ug/L | 1 | 0.558 | 1.12 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | 4-Nitrophenol | A | <4.49 | U | ug/L | 1 | 4.49 | 4.49 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Acenaphthene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Acenaphthylene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Anthracene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <0.561 | U | ug/L | 1 | 0.561 | 1.12 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Chrysene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Diethyl phthalate | A | <0.280 | B, U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Dimethyl phthalate | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Fluoranthene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Fluorene | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Sample Results
**(Continued)**

Client Sample ID: CDP-09-E (Continued)
Lab Sample ID: 22A3944-21
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/20/2022 15:30
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | |
| SW-8270 | Hexachlorobenzene | A | <0.280U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <0.280U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Hexachloroethane | A | <0.280U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <0.280U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Isophorone | A | <0.280U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Naphthalene | A | <0.280U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Nitrobenzene | A | <0.280U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <0.280U | ug/L | 1 | 0.280 | 2.24 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <0.280U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | n-Nitrosodiphenylamine | A | <0.280U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Pentachlorophenol | A | <0.558U | ug/L | 1 | 0.558 | 1.12 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Phenanthrene | A | <0.280U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Phenol, Total | A | 0.851V, J | ug/L | 1 | 0.558 | 1.12 | BFB3690 | 03/04/2022 16:55 | KRB |
| SW-8270 | Pyrene | A | <0.280U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/04/2022 16:55 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *113%* | *54.6-148* | | | | | *03/04/2022 16:55* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *130%* | *55-152* | | | | | *03/04/2022 16:55* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *111%* | *52.4-136* | | | | | *03/04/2022 16:55* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *112%* | *52-162* | | | | | *03/04/2022 16:55* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *107%* | *58.7-152* | | | | | *03/04/2022 16:55* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *124%* | *51.9-147* | | | | | *03/04/2022 16:55* | |
| **Elutriate Organics by GC** | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | 4,4'-DDE | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | 4,4'-DDT | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Aldrin | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | delta-BHC | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Dieldrin | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Endosulfan I | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Endosulfan II | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Endrin | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-E (Continued)
Lab Sample ID: 22A3944-21
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/20/2022 15:30
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Organics by GC (Continued)** | | | | | | | | | | |
| SW-8081 | Endrin aldehyde | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Endrin ketone | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexa nE) | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | gamma-Chlordane | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Heptachlor | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Methoxychlor | A | <0.00595U | ug/L | 1 | 0.00595 | 0.00595 | BFB3715 | 03/08/2022 10:33 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.297U | ug/L | 1 | 0.297 | 0.297 | BFB3715 | 03/08/2022 10:33 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *126%* | *60-140* | | | | | *03/08/2022 10:33* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *113%* | *60-140* | | | | | *03/08/2022 10:33* | |
| SW-8082 | PCBs, Total | A | <0.00600U | ug/L | 1 | 0.00600 | 0.120 | BFC0779 | 03/09/2022 00:37 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *107%* | *60-140* | | | | | *03/09/2022 00:37* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *88.4%* | *60-140* | | | | | *03/09/2022 00:37* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <0.453U | mg/L | 1 | 0.453 | 4.53 | BFB3481 | 02/25/2022 22:05 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *68.7% S* | *70-130* | | | | | *02/25/2022 22:05* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *90.9%* | *70-130* | | | | | *02/25/2022 22:05* | |
| **Elutriate Metals, Dissolved** | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <2.00A, U | ug/L | 10 | 2.00 | 10.0 | BFC0228 | 03/02/2022 14:50 | DAL |
| EPA 200.8 | Arsenic | A | 8.85 | ug/L | 10 | 1.00 | 5.00 | BFC0228 | 03/02/2022 14:50 | DAL |
| EPA 200.8 | Beryllium | A | <0.100A, U | ug/L | 10 | 0.100 | 2.00 | BFC0228 | 03/02/2022 16:12 | DAL |
| EPA 200.8 | Cadmium | A | <0.500A, U | ug/L | 10 | 0.500 | 10.0 | BFC0228 | 03/02/2022 14:50 | DAL |
| EPA 200.8 | Chromium | A | <0.800A, U | ug/L | 10 | 0.800 | 30.0 | BFC0228 | 03/02/2022 14:50 | DAL |
| EPA 200.8 | Copper | A | 2.76J | ug/L | 10 | 2.00 | 10.0 | BFC0228 | 03/02/2022 14:50 | DAL |
| Calc | Chromium (III) | | <2.30U | ug/L | 10 | 2.30 | 33.0 | [CALC] | 03/14/2022 13:58 | CTC |
| SM 3500-Cr B | Chromium (VI) | A | 0.0175V | mg/L | 1 | 0.00150 | 0.00300 | BFC1943 | 03/14/2022 13:58 | CTC |
| EPA 200.8 | Lead | A | <1.00A, U | ug/L | 10 | 1.00 | 5.00 | BFC0228 | 03/02/2022 14:50 | DAL |
| EPA 200.8 | Nickel | A | 4.49J | ug/L | 10 | 0.500 | 10.0 | BFC0228 | 03/02/2022 14:50 | DAL |
| EPA 200.8 | Silver | A | <0.300A, U | ug/L | 10 | 0.300 | 5.00 | BFC0228 | 03/02/2022 14:50 | DAL |
| EPA 200.8 | Thallium | A | <0.300A, U | ug/L | 10 | 0.300 | 5.00 | BFC0228 | 03/02/2022 14:50 | DAL |
| EPA 200.8 | Zinc | A | <2.00A, U | ug/L | 10 | 2.00 | 20.0 | BFC0228 | 03/02/2022 14:50 | DAL |
| **Elutriate Metals, Total** | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150U | ug/L | 1 | 0.150 | 0.200 | BFB3096 | 02/28/2022 13:48 | KEV |
| EPA 200.8 | Selenium | A | 3.53J | ug/L | 10 | 3.30 | 50.0 | BFB3630 | 02/28/2022 16:10 | DAL |
| **Elutriate General Chemistry** | | | | | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-E (Continued)
Lab Sample ID: 22A3944-21
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/20/2022 15:30
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate General Chemistry (Continued)** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.553 | | mg/L | 10 | 0.200 | 0.500 | BFB3631 | 02/28/2022 13:43 | JLK |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 4.17 | V | mg/L | 1 | 1.00 | 1.00 | BFC0108 | 03/02/2022 16:05 | TEJ / BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-E
Lab Sample ID: 22A3944-21RE1
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/20/2022 15:30
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/23/2022 05:38 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/23/2022 05:38 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/23/2022 05:38 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 5.25 | V | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/23/2022 05:38 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/23/2022 05:38 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *101%* | | *54.6-148* | | | | | *03/23/2022 05:38* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *119%* | | *55-152* | | | | | *03/23/2022 05:38* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *92.4%* | | *52.4-136* | | | | | *03/23/2022 05:38* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *134%* | | *52-162* | | | | | *03/23/2022 05:38* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *138%* | | *58.7-152* | | | | | *03/23/2022 05:38* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *94.7%* | | *51.9-147* | | | | | *03/23/2022 05:38* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-09-E | Sample Matrix: | Elutriate |
| Lab Sample ID: | 22A3944-21RE2 | Date Collected: | 02/20/2022 15:30 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/25/2022 13:57 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.561 | BFB3690 | 03/25/2022 13:57 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *92.7%* | | *54.6-148* | | | | | *03/25/2022 13:57* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *56.4%* | | *55-152* | | | | | *03/25/2022 13:57* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *29.0%* | *S* | *52.4-136* | | | | | *03/25/2022 13:57* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *109%* | | *52-162* | | | | | *03/25/2022 13:57* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *60.3%* | | *58.7-152* | | | | | *03/25/2022 13:57* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *80.7%* | | *51.9-147* | | | | | *03/25/2022 13:57* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-06-6A-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-28 | Date Collected: | 02/11/2022 15:30 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <2.70 | U | ug/kg dry | 1 | 2.70 | 5.41 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <2.70 | U | ug/kg dry | 1 | 2.70 | 5.41 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <2.70 | U | ug/kg dry | 1 | 2.70 | 5.41 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 2-Chloronaphthalene | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | <10.8 | U | ug/kg dry | 1 | 10.8 | 21.6 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 2-Nitrophenol | A | <2.70 | U | ug/kg dry | 1 | 2.70 | 5.41 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <2.70 | U | ug/kg dry | 1 | 2.70 | 5.41 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | 4-Nitrophenol | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Benzo(a)anthracene | A | 2.92 | | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Diethyl phthalate | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Dimethyl phthalate | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <1.35 | B, U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Hexachlorobenzene | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Hexachlorobutadiene | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Hexachloroethane | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Isophorone | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Nitrobenzene | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Pentachlorophenol | A | <2.70 | U | ug/kg dry | 1 | 2.70 | 5.41 | BFB3398 | 03/05/2022 01:27 | KRB |
| SW-8270 | Phenol, Total | A | 2.99 | J | ug/kg dry | 1 | 2.70 | 5.41 | BFB3398 | 03/05/2022 01:27 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6A-S (Continued)
Lab Sample ID: 22A3944-28
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/11/2022 15:30
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *94.3%* | | *60-140* | | | | | *03/05/2022 01:27* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *69.5%* | | *60-140* | | | | | *03/05/2022 01:27* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *92.1%* | | *60-140* | | | | | *03/05/2022 01:27* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *79.1%* | | *60-140* | | | | | *03/05/2022 01:27* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *78.8%* | | *60-140* | | | | | *03/05/2022 01:27* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *77.7%* | | *60-140* | | | | | *03/05/2022 01:27* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <1.12 | U | ug/kg dry | 1 | 1.12 | 2.24 | BFC0070 | 03/05/2022 22:28 | SO |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *108%* | | *60-140* | | | | | *03/05/2022 22:28* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *108%* | | *60-140* | | | | | *03/05/2022 22:28* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <3.45 | B, U | mg/kg dry | 1 | 3.45 | 10.3 | BFB3309 | 02/28/2022 18:48 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *76.6%* | | *70-130* | | | | | *02/28/2022 18:48* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *100%* | | *70-130* | | | | | *02/28/2022 18:48* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.314 | A, U | mg/kg dry | 10 | 0.314 | 0.629 | BFB2873 | 02/22/2022 12:38 | DAL |
| EPA 200.8 | Arsenic | A | 3.91 | | mg/kg dry | 10 | 0.0314 | 0.314 | BFB2873 | 02/22/2022 12:38 | DAL |
| EPA 200.8 | Beryllium | A | 0.247 | | mg/kg dry | 10 | 0.00629 | 0.125 | BFB2873 | 02/22/2022 14:08 | DAL |
| EPA 200.8 | Cadmium | A | 0.107 | J | mg/kg dry | 10 | 0.0314 | 0.629 | BFB2873 | 02/22/2022 12:38 | DAL |
| EPA 200.8 | Chromium | A | 4.76 | | mg/kg dry | 10 | 0.0942 | 1.88 | BFB2873 | 02/22/2022 12:38 | DAL |
| EPA 200.8 | Copper | A | 6.15 | | mg/kg dry | 10 | 0.125 | 0.629 | BFB2873 | 02/22/2022 12:38 | DAL |
| Calc | Chromium (III) | | 4.76 | J | mg/kg (dry wt) dry | 10 | 2.12 | 7.61 | [CALC] | 03/09/2022 20:20 | CTC |
| SW-7196 | Chromium (VI) | A | <2.03 | U | mg/kg dry | 1 | 2.03 | 5.72 | BFB3694 | 03/09/2022 20:20 | CTC |
| SW-7471B | Mercury | A | 0.00663 | J | mg/kg dry | 1 | 0.00508 | 0.0102 | BFB2900 | 02/23/2022 13:29 | KEV |
| EPA 200.8 | Lead | A | 7.04 | | mg/kg dry | 10 | 0.0314 | 0.314 | BFB2873 | 02/22/2022 12:38 | DAL |
| EPA 200.8 | Nickel | A | 5.00 | | mg/kg dry | 10 | 0.629 | 0.629 | BFB2873 | 02/22/2022 12:38 | DAL |
| EPA 200.8 | Selenium | A | 0.959 | J | mg/kg dry | 10 | 0.629 | 3.14 | BFB2873 | 02/22/2022 12:38 | DAL |
| EPA 200.8 | Silver | A | 0.0174 | V, J | mg/kg dry | 10 | 0.0157 | 0.314 | BFB2873 | 02/22/2022 12:38 | DAL |
| EPA 200.8 | Thallium | A | 0.0872 | J | mg/kg dry | 10 | 0.0157 | 0.314 | BFB2873 | 02/22/2022 12:38 | DAL |
| EPA 200.8 | Zinc | A | 15.3 | B | mg/kg dry | 10 | 0.629 | 1.25 | BFB2873 | 02/22/2022 12:38 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0282 | U | mg/kg dry | 1 | 0.0282 | 0.0563 | BFB3287 | 02/25/2022 17:50 | CTC |
| EPA 350.2 | Ammonia as N | A | <11.3 | U | mg/kg dry | 1 | 11.3 | 22.7 | BFC0772 | 03/08/2022 10:46 | NAZ |
| SW-9045C | pH | A | 8.74 | H | pH Units @ 25 °C | 1 | | 0.100 | BFB3066 | 02/23/2022 12:25 | EM |
| SM 2540 G | % Solids | A | 87.0 | | % | 1 | 0.100 | 0.100 | BFB2600 | 02/21/2022 10:45 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6A-S
Lab Sample ID: 22A3944-28RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/11/2022 15:30
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <2.70 | U | ug/kg dry | 1 | 2.70 | 5.41 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <2.70 | U | ug/kg dry | 1 | 2.70 | 5.41 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | 2.01 | J | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | 3.77 | | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.35 | CQb, U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Chrysene (Rerun) | A | 1.74 | J | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | 4.82 | | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | 2.15 | J | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| SW-8270 | Pyrene (Rerun) | A | 4.33 | | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/11/2022 22:47 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *70.5%* | | *60-140* | | | | | *03/11/2022 22:47* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *83.7%* | | *60-140* | | | | | *03/11/2022 22:47* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *71.7%* | | *60-140* | | | | | *03/11/2022 22:47* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *88.5%* | | *60-140* | | | | | *03/11/2022 22:47* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *80.0%* | | *60-140* | | | | | *03/11/2022 22:47* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *67.8%* | | *60-140* | | | | | *03/11/2022 22:47* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD (Rerun) | A | <0.340 | H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | 4,4'-DDE (Rerun) | A | <0.340 | H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | 4,4'-DDT (Rerun) | A | <0.340 | H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Aldrin (Rerun) | A | <0.340 | H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) (Rerun) | A | <0.340 | H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6A-S (Continued)
Lab Sample ID: 22A3944-28RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/11/2022 15:30
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane ) (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Chlordane (tech.) (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | delta-BHC (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Dieldrin (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Endosulfan I (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Endosulfan II (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Endosulfan sulfate (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Endrin (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Endrin aldehyde (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Endrin ketone (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexa nE) (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | gamma-Chlordane (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Heptachlor (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Heptachlor epoxide (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Methoxychlor (Rerun) | A | <0.340 H, U | ug/kg dry | 10 | 0.340 | 1.13 | BFC3613 | 03/29/2022 11:20 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) (Rerun) | A | <17.0 H, U | ug/kg dry | 10 | 17.0 | 17.0 | BFC3613 | 03/29/2022 11:20 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *65.8% H* | *60-140* | | | | | *03/29/2022 11:20* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr (Rerun)* | | *94.4% H* | *60-140* | | | | | *03/29/2022 11:20* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-06-6A-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-28RE2 | Date Collected: | 02/11/2022 15:30 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/31/2022 05:21 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.70 | BFB3398 | 03/31/2022 05:21 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *61.9%* | | *60-140* | | | | | *03/31/2022 05:21* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *79.8%* | | *60-140* | | | | | *03/31/2022 05:21* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *76.2%* | | *60-140* | | | | | *03/31/2022 05:21* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *105%* | | *60-140* | | | | | *03/31/2022 05:21* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *87.8%* | | *60-140* | | | | | *03/31/2022 05:21* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *63.6%* | | *60-140* | | | | | *03/31/2022 05:21* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6B-S
Lab Sample ID: 22A3944-29
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/26/2022 9:45
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/02/2022 01:16 | KRB |
| SW-8270 | Benzidine | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/02/2022 01:16 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *63.9%* | | *60-140* | | | | | *04/02/2022 01:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *65.6%* | | *60-140* | | | | | *04/02/2022 01:16* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *134%* | | *60-140* | | | | | *04/02/2022 01:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *104%* | | *60-140* | | | | | *04/02/2022 01:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *95.5%* | | *60-140* | | | | | *04/02/2022 01:16* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *64.8%* | | *60-140* | | | | | *04/02/2022 01:16* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | 4,4'-DDE | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | 4,4'-DDT | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Aldrin | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | delta-BHC | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Dieldrin | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Endosulfan I | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Endosulfan II | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Endrin | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Endrin aldehyde | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Endrin ketone | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | gamma-Chlordane | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Heptachlor | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Methoxychlor | A | <0.352 | U | ug/kg dry | 10 | 0.352 | 1.17 | BFC0961 | 03/10/2022 10:48 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <17.6 | U | ug/kg dry | 10 | 17.6 | 17.6 | BFC0961 | 03/10/2022 10:48 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *102%* | | *60-140* | | | | | *03/10/2022 10:48* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6B-S (Continued)
Lab Sample ID: 22A3944-29
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/26/2022 9:45
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *105%* | | *60-140* | | | | | *03/10/2022 10:48* | |
| SW-8082 | PCBs, Total | A | <1.20 | U | ug/kg dry | 1 | 1.20 | 2.40 | BFC1955 | 04/02/2022 04:22 | CRO |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *88.9%* | | *60-140* | | | | | *04/02/2022 04:22* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *92.0%* | | *60-140* | | | | | *04/02/2022 04:22* | |
| **Metals, Total** | | | | | | | | | | | |
| Calc | Chromium (III) | | 4.47 | J | mg/kg (dry wt) dry | 5 | 2.20 | 7.03 | [CALC] | 04/29/2022 11:43 | DAL |
| SW-7196 | Chromium (VI) | A | <2.15 | U | mg/kg dry | 1 | 2.15 | 6.07 | BFC3544 | 03/28/2022 17:47 | EM |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0296 | U | mg/kg dry | 1 | 0.0296 | 0.0593 | BFC1476 | 03/11/2022 18:20 | CTC |
| EPA 350.2 | Ammonia as N | A | <11.9 | U | mg/kg dry | 1 | 11.9 | 23.8 | BFC0772 | 03/08/2022 10:46 | NAZ |
| SW-9045C | pH | A | 8.25 | H | pH Units @ 25 °C | 1 | | 0.100 | BFC0778 | 03/04/2022 16:24 | AKA |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6B-S
Lab Sample ID: 22A3944-29RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/26/2022 9:45
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <2.94 | U | ug/kg dry | 1 | 2.94 | 5.87 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <2.94 | U | ug/kg dry | 1 | 2.94 | 5.87 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <2.94 | U | ug/kg dry | 1 | 2.94 | 5.87 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <2.94 | U | ug/kg dry | 1 | 2.94 | 5.87 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <2.94 | U | ug/kg dry | 1 | 2.94 | 5.87 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <11.7 | U | ug/kg dry | 1 | 11.7 | 23.5 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <2.94 | U | ug/kg dry | 1 | 2.94 | 5.87 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <2.94 | U | ug/kg dry | 1 | 2.94 | 5.87 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | 1.62 | J | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6B-S (Continued)
Lab Sample ID: 22A3944-29RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/26/2022 9:45
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 5.60 | | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 3.03 | | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <7.34 | U | ug/kg dry | 1 | 7.34 | 14.7 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <2.94 | U | ug/kg dry | 1 | 2.94 | 5.87 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | <2.94 | U | ug/kg dry | 1 | 2.94 | 5.87 | BFC0958 | 04/12/2022 17:08 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFC0958 | 04/12/2022 17:08 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *88.6%* | | *60-140* | | | | | *04/12/2022 17:08* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *101%* | | *60-140* | | | | | *04/12/2022 17:08* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *105%* | | *60-140* | | | | | *04/12/2022 17:08* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *90.7%* | | *60-140* | | | | | *04/12/2022 17:08* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *106%* | | *60-140* | | | | | *04/12/2022 17:08* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *65.2%* | | *60-140* | | | | | *04/12/2022 17:08* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6B-S (Continued)
Lab Sample ID: 22A3944-29RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/26/2022 9:45
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC** | | | | | | | | | | | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 (Rerun) | A | 3.81 | V, J | mg/kg dry | 1 | 3.63 | 10.9 | BFC0727 | 03/18/2022 16:19 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr (Rerun)* | | *84.3%* | | *70-130* | | | | | *03/18/2022 16:19* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr (Rerun)* | | *90.1%* | | *70-130* | | | | | *03/18/2022 16:19* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Arsenic (Rerun) | A | 1.13 | | mg/kg dry | 5 | 0.0160 | 0.160 | BFD3610 | 05/02/2022 14:27 | SEE |
| EPA 200.8 | Beryllium (Rerun) | A | 0.0769 | | mg/kg dry | 5 | 0.00321 | 0.0641 | BFD3610 | 04/29/2022 11:43 | DAL |
| EPA 200.8 | Cadmium (Rerun) | A | 0.0221 | J | mg/kg dry | 5 | 0.0160 | 0.321 | BFD3610 | 04/29/2022 11:43 | DAL |
| EPA 200.8 | Chromium (Rerun) | A | 4.47 | | mg/kg dry | 5 | 0.0481 | 0.962 | BFD3610 | 04/29/2022 11:43 | DAL |
| EPA 200.8 | Copper (Rerun) | A | 1.18 | | mg/kg dry | 5 | 0.0641 | 0.321 | BFD3610 | 05/02/2022 14:27 | DAL |
| SW-7471B | Mercury (Rerun) | A | 0.00524 | H, J | mg/kg dry | 1 | 0.00485 | 0.00971 | BFD3145 | 04/28/2022 08:29 | KEV |
| EPA 200.8 | Lead (Rerun) | A | 2.12 | | mg/kg dry | 5 | 0.0160 | 0.160 | BFD3610 | 04/29/2022 11:43 | DAL |
| EPA 200.8 | Nickel (Rerun) | A | 1.71 | | mg/kg dry | 5 | 0.321 | 0.321 | BFD3610 | 04/29/2022 11:43 | DAL |
| EPA 200.8 | Selenium (Rerun) | A | <0.321 | U | mg/kg dry | 5 | 0.321 | 1.60 | BFD3610 | 04/29/2022 11:43 | DAL |
| EPA 200.8 | Silver (Rerun) | A | 0.0108 | J | mg/kg dry | 5 | 0.00803 | 0.160 | BFD3610 | 04/29/2022 11:43 | DAL |
| EPA 200.8 | Thallium (Rerun) | A | 0.0395 | J | mg/kg dry | 5 | 0.00803 | 0.160 | BFD3610 | 04/29/2022 11:43 | DAL |
| EPA 200.8 | Zinc (Rerun) | A | 7.38 | | mg/kg dry | 5 | 0.321 | 0.641 | BFD3610 | 04/29/2022 11:43 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids (Rerun) | A | 82.9 | | % | 1 | 0.100 | 0.100 | BFC0646 | 03/07/2022 13:15 | SSM / BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6C-S
Lab Sample ID: 22A3944-30
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/27/2022 12:24
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/02/2022 01:51 | KRB |
| SW-8270 | Benzidine | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/02/2022 01:51 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *55.5%* | *S* | *60-140* | | | | | *04/02/2022 01:51* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *90.8%* | | *60-140* | | | | | *04/02/2022 01:51* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *103%* | | *60-140* | | | | | *04/02/2022 01:51* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *106%* | | *60-140* | | | | | *04/02/2022 01:51* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *85.8%* | | *60-140* | | | | | *04/02/2022 01:51* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *74.4%* | | *60-140* | | | | | *04/02/2022 01:51* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | 4,4'-DDE | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | 4,4'-DDT | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Aldrin | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | delta-BHC | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Dieldrin | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Endosulfan I | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Endosulfan II | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Endrin | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Endrin aldehyde | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Endrin ketone | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | gamma-Chlordane | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Heptachlor | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Methoxychlor | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFC0961 | 03/10/2022 11:12 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <16.6 | U | ug/kg dry | 10 | 16.6 | 16.6 | BFC0961 | 03/10/2022 11:12 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *97.3%* | | *60-140* | | | | | *03/10/2022 11:12* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6C-S (Continued)
Lab Sample ID: 22A3944-30
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/27/2022 12:24
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *108%* | | *60-140* | | | | | *03/10/2022 11:12* | |
| SW-8082 | PCBs, Total | A | <1.11 | U | ug/kg dry | 1 | 1.11 | 2.23 | BFC1955 | 04/02/2022 04:46 | CRO |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *83.7%* | | *60-140* | | | | | *04/02/2022 04:46* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *97.5%* | | *60-140* | | | | | *04/02/2022 04:46* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <3.36 | U | mg/kg dry | 1 | 3.36 | 10.1 | BFC0727 | 03/11/2022 06:33 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *67.9%* | *S* | *70-130* | | | | | *03/11/2022 06:33* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *91.2%* | | *70-130* | | | | | *03/11/2022 06:33* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.415 | A, U | mg/kg dry | 10 | 0.415 | 0.831 | BFC0620 | 03/04/2022 11:22 | DAL |
| EPA 200.8 | Arsenic | A | 0.343 | J | mg/kg dry | 10 | 0.0415 | 0.415 | BFC0620 | 03/04/2022 11:22 | DAL |
| EPA 200.8 | Beryllium | A | 0.0518 | J | mg/kg dry | 10 | 0.00831 | 0.166 | BFC0620 | 03/07/2022 08:59 | DAL |
| EPA 200.8 | Cadmium | A | <0.0415 | A, U | mg/kg dry | 10 | 0.0415 | 0.831 | BFC0620 | 03/04/2022 11:22 | DAL |
| EPA 200.8 | Chromium | A | 1.51 | J | mg/kg dry | 10 | 0.124 | 2.49 | BFC0620 | 03/04/2022 11:22 | DAL |
| EPA 200.8 | Copper | A | 0.549 | V, J | mg/kg dry | 10 | 0.166 | 0.831 | BFC0620 | 03/04/2022 11:22 | DAL |
| Calc | Chromium (III) | | <2.28 | U | mg/kg (dry wt) dry | 10 | 2.28 | 8.57 | [CALC] | 03/28/2022 17:44 | EM |
| SW-7196 | Chromium (VI) | A | <2.15 | U | mg/kg dry | 1 | 2.15 | 6.08 | BFC3544 | 03/28/2022 17:44 | EM |
| SW-7471B | Mercury | A | <0.00484 | U | mg/kg dry | 1 | 0.00484 | 0.00968 | BFC0177 | 03/04/2022 12:26 | KEV |
| EPA 200.8 | Lead | A | 1.58 | | mg/kg dry | 10 | 0.0415 | 0.415 | BFC0620 | 03/04/2022 11:22 | DAL |
| EPA 200.8 | Nickel | A | <0.831 | A, U | mg/kg dry | 10 | 0.831 | 0.831 | BFC0620 | 03/07/2022 08:59 | DAL |
| EPA 200.8 | Selenium | A | <0.831 | A, U | mg/kg dry | 10 | 0.831 | 4.15 | BFC0620 | 03/04/2022 11:22 | DAL |
| EPA 200.8 | Silver | A | <0.0208 | A, U | mg/kg dry | 10 | 0.0208 | 0.415 | BFC0620 | 03/04/2022 11:22 | DAL |
| EPA 200.8 | Thallium | A | <0.0208 | A, U | mg/kg dry | 10 | 0.0208 | 0.415 | BFC0620 | 03/04/2022 11:22 | DAL |
| EPA 200.8 | Zinc | A | 4.76 | V | mg/kg dry | 10 | 0.831 | 1.66 | BFC0620 | 03/04/2022 11:22 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0273 | U | mg/kg dry | 1 | 0.0273 | 0.0545 | BFC1476 | 03/11/2022 18:20 | CTC |
| EPA 350.2 | Ammonia as N | A | <11.2 | U | mg/kg dry | 1 | 11.2 | 22.4 | BFC0772 | 03/08/2022 10:46 | NAZ |
| SW-9045C | pH | A | 8.25 | H | pH Units @ 25 °C | 1 | | 0.100 | BFC0778 | 03/04/2022 16:24 | AKA |
| SM 2540 G | % Solids | A | 89.0 | | % | 1 | 0.100 | 0.100 | BFC0534 | 03/04/2022 11:09 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6C-S
Lab Sample ID: 22A3944-30RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/27/2022 12:24
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <2.71 | U | ug/kg dry | 1 | 2.71 | 5.42 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <2.71 | U | ug/kg dry | 1 | 2.71 | 5.42 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <2.71 | U | ug/kg dry | 1 | 2.71 | 5.42 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <2.71 | U | ug/kg dry | 1 | 2.71 | 5.42 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <2.71 | U | ug/kg dry | 1 | 2.71 | 5.42 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <10.8 | U | ug/kg dry | 1 | 10.8 | 21.7 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <2.71 | U | ug/kg dry | 1 | 2.71 | 5.42 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <2.71 | U | ug/kg dry | 1 | 2.71 | 5.42 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6C-S (Continued)
Lab Sample ID: 22A3944-30RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/27/2022 12:24
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 2.20 | J | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <6.77 | U | ug/kg dry | 1 | 6.77 | 13.5 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <2.71 | U | ug/kg dry | 1 | 2.71 | 5.42 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | <2.71 | U | ug/kg dry | 1 | 2.71 | 5.42 | BFC0958 | 04/12/2022 17:43 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.35 | U | ug/kg dry | 1 | 1.35 | 2.71 | BFC0958 | 04/12/2022 17:43 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *81.4%* | | *60-140* | | | | | *04/12/2022 17:43* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *104%* | | *60-140* | | | | | *04/12/2022 17:43* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *88.0%* | | *60-140* | | | | | *04/12/2022 17:43* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *107%* | | *60-140* | | | | | *04/12/2022 17:43* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *119%* | | *60-140* | | | | | *04/12/2022 17:43* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *88.1%* | | *60-140* | | | | | *04/12/2022 17:43* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7A-S
Lab Sample ID: 22A3944-32
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/15/2022 15:10
Collected by: Collected by Client

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <2.94U | ug/kg dry | 1 | 2.94 | 5.88 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <2.94U | ug/kg dry | 1 | 2.94 | 5.88 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <2.94U | ug/kg dry | 1 | 2.94 | 5.88 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 2-Chloronaphthalene | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | <11.8U | ug/kg dry | 1 | 11.8 | 23.5 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 2-Nitrophenol | A | <2.94U | ug/kg dry | 1 | 2.94 | 5.88 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <2.94U | ug/kg dry | 1 | 2.94 | 5.88 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | 4-Nitrophenol | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Diethyl phthalate | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Dimethyl phthalate | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <1.47B, U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Hexachlorobenzene | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Hexachlorobutadiene | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Hexachloroethane | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Isophorone | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Nitrobenzene | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <1.47U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Pentachlorophenol | A | <2.94U | ug/kg dry | 1 | 2.94 | 5.88 | BFB3398 | 03/05/2022 02:01 | KRB |
| SW-8270 | Phenol, Total | A | 3.38J | ug/kg dry | 1 | 2.94 | 5.88 | BFB3398 | 03/05/2022 02:01 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7A-S (Continued)
Lab Sample ID: 22A3944-32
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/15/2022 15:10
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *94.1%* | | *60-140* | | | | | *03/05/2022 02:01* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *68.0%* | | *60-140* | | | | | *03/05/2022 02:01* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *68.7%* | | *60-140* | | | | | *03/05/2022 02:01* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *95.7%* | | *60-140* | | | | | *03/05/2022 02:01* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *75.8%* | | *60-140* | | | | | *03/05/2022 02:01* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *67.7%* | | *60-140* | | | | | *03/05/2022 02:01* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | 4,4'-DDE | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | 4,4'-DDT | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Aldrin | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | delta-BHC | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Dieldrin | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Endosulfan I | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Endosulfan II | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Endrin | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Endrin aldehyde | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Endrin ketone | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | gamma-Chlordane | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Heptachlor | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Methoxychlor | A | <0.349 | U | ug/kg dry | 10 | 0.349 | 1.16 | BFB3474 | 03/05/2022 13:42 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <17.4 | U | ug/kg dry | 10 | 17.4 | 17.4 | BFB3474 | 03/05/2022 13:42 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *110%* | | *60-140* | | | | | *03/05/2022 13:42* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *114%* | | *60-140* | | | | | *03/05/2022 13:42* | |
| SW-8082 | PCBs, Total | A | <1.16 | U | ug/kg dry | 1 | 1.16 | 2.33 | BFC0070 | 03/05/2022 22:52 | SO |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Sample Results
**(Continued)**

Client Sample ID: CDP-07-7A-S (Continued)
Lab Sample ID: 22A3944-32
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/15/2022 15:10
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *81.8%* | | *60-140* | | | | | *03/05/2022 22:52* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *69.9%* | | *60-140* | | | | | *03/05/2022 22:52* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <3.53 | U | mg/kg dry | 1 | 3.53 | 10.6 | BFC0009 | 03/11/2022 01:49 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *74.5%* | | *70-130* | | | | | *03/11/2022 01:49* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *95.0%* | | *70-130* | | | | | *03/11/2022 01:49* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.278 | A, U | mg/kg dry | 10 | 0.278 | 0.557 | BFB2873 | 02/22/2022 12:47 | DAL |
| EPA 200.8 | Arsenic | A | 0.294 | | mg/kg dry | 10 | 0.0278 | 0.278 | BFB2873 | 02/22/2022 12:47 | DAL |
| EPA 200.8 | Beryllium | A | 0.177 | | mg/kg dry | 10 | 0.00557 | 0.111 | BFB2873 | 02/22/2022 14:16 | DAL |
| EPA 200.8 | Cadmium | A | <0.0278 | A, U | mg/kg dry | 10 | 0.0278 | 0.557 | BFB2873 | 02/22/2022 12:47 | DAL |
| EPA 200.8 | Chromium | A | 3.24 | | mg/kg dry | 10 | 0.0834 | 1.67 | BFB2873 | 02/22/2022 12:47 | DAL |
| EPA 200.8 | Copper | A | 1.21 | | mg/kg dry | 10 | 0.111 | 0.557 | BFB2873 | 02/22/2022 12:47 | DAL |
| Calc | Chromium (III) | | 3.24 | J | mg/kg (dry wt) dry | 10 | 2.16 | 7.53 | [CALC] | 03/09/2022 20:23 | CTC |
| SW-7196 | Chromium (VI) | A | <2.08 | U | mg/kg dry | 1 | 2.08 | 5.86 | BFB3694 | 03/09/2022 20:23 | CTC |
| SW-7471B | Mercury | A | 0.0397 | | mg/kg dry | 1 | 0.00493 | 0.00986 | BFB2900 | 02/23/2022 13:42 | KEV |
| EPA 200.8 | Lead | A | 2.84 | | mg/kg dry | 10 | 0.0278 | 0.278 | BFB2873 | 02/22/2022 12:47 | DAL |
| EPA 200.8 | Nickel | A | 1.96 | | mg/kg dry | 10 | 0.557 | 0.557 | BFB2873 | 02/22/2022 12:47 | DAL |
| EPA 200.8 | Selenium | A | 0.605 | J | mg/kg dry | 10 | 0.557 | 2.78 | BFB2873 | 02/22/2022 12:47 | DAL |
| EPA 200.8 | Silver | A | <0.0139 | B, A, U | mg/kg dry | 10 | 0.0139 | 0.278 | BFB2873 | 02/22/2022 12:47 | DAL |
| EPA 200.8 | Thallium | A | 0.0363 | J | mg/kg dry | 10 | 0.0139 | 0.278 | BFB2873 | 02/22/2022 12:47 | DAL |
| EPA 200.8 | Zinc | A | 6.23 | B | mg/kg dry | 10 | 0.557 | 1.11 | BFB2873 | 02/22/2022 12:47 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0295 | U | mg/kg dry | 1 | 0.0295 | 0.0590 | BFB3287 | 02/25/2022 17:51 | CTC |
| EPA 350.2 | Ammonia as N | A | <11.9 | U | mg/kg dry | 1 | 11.9 | 23.7 | BFC0772 | 03/08/2022 10:46 | NAZ |
| SW-9045C | pH | A | 8.13 | H | pH Units @ 25 °C | 1 | | 0.100 | BFB3066 | 02/23/2022 12:25 | EM |
| SM 2540 G | % Solids | A | 83.9 | | % | 1 | 0.100 | 0.100 | BFB2875 | 02/23/2022 09:54 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7A-S
Lab Sample ID: 22A3944-32RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/15/2022 15:10
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <2.94 | U | ug/kg dry | 1 | 2.94 | 5.88 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <2.94 | U | ug/kg dry | 1 | 2.94 | 5.88 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.47 | CQb, U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/11/2022 23:22 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *71.3%* | | *60-140* | | | | | *03/11/2022 23:22* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *86.6%* | | *60-140* | | | | | *03/11/2022 23:22* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *55.0%* | *S* | *60-140* | | | | | *03/11/2022 23:22* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *77.9%* | | *60-140* | | | | | *03/11/2022 23:22* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *69.1%* | | *60-140* | | | | | *03/11/2022 23:22* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *58.8%* | *S* | *60-140* | | | | | *03/11/2022 23:22* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-07-7A-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-32RE2 | Date Collected: | 02/15/2022 15:10 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/31/2022 05:57 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <1.47 | U | ug/kg dry | 1 | 1.47 | 2.94 | BFB3398 | 03/31/2022 05:57 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *91.5%* | | *60-140* | | | | | *03/31/2022 05:57* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *71.8%* | | *60-140* | | | | | *03/31/2022 05:57* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *69.7%* | | *60-140* | | | | | *03/31/2022 05:57* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *90.9%* | | *60-140* | | | | | *03/31/2022 05:57* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *80.0%* | | *60-140* | | | | | *03/31/2022 05:57* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *63.4%* | | *60-140* | | | | | *03/31/2022 05:57* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7C-S
Lab Sample ID: 22A3944-34
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/16/2022 18:47
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <2.82 | U | ug/kg dry | 1 | 2.82 | 5.64 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <2.82 | U | ug/kg dry | 1 | 2.82 | 5.64 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <2.82 | U | ug/kg dry | 1 | 2.82 | 5.64 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 2-Chloronaphthalene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | <11.3 | U | ug/kg dry | 1 | 11.3 | 22.6 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 2-Nitrophenol | A | <2.82 | U | ug/kg dry | 1 | 2.82 | 5.64 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <2.82 | U | ug/kg dry | 1 | 2.82 | 5.64 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | 4-Nitrophenol | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 1.87 | J | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Diethyl phthalate | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Dimethyl phthalate | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <1.41 | B, U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Hexachlorobenzene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Hexachlorobutadiene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Hexachloroethane | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Isophorone | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Nitrobenzene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Pentachlorophenol | A | <2.82 | U | ug/kg dry | 1 | 2.82 | 5.64 | BFB3398 | 03/05/2022 02:36 | KRB |
| SW-8270 | Phenol, Total | A | 4.91 | J | ug/kg dry | 1 | 2.82 | 5.64 | BFB3398 | 03/05/2022 02:36 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7C-S (Continued)
Lab Sample ID: 22A3944-34
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/16/2022 18:47
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *101%* | | *60-140* | | | | | *03/05/2022 02:36* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *78.1%* | | *60-140* | | | | | *03/05/2022 02:36* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *85.9%* | | *60-140* | | | | | *03/05/2022 02:36* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *74.8%* | | *60-140* | | | | | *03/05/2022 02:36* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *102%* | | *60-140* | | | | | *03/05/2022 02:36* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *63.7%* | | *60-140* | | | | | *03/05/2022 02:36* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | 4,4'-DDE | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | 4,4'-DDT | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Aldrin | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | delta-BHC | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Dieldrin | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Endosulfan I | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Endosulfan II | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Endrin | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Endrin aldehyde | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Endrin ketone | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | gamma-Chlordane | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Heptachlor | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Methoxychlor | A | <0.329 | U | ug/kg dry | 10 | 0.329 | 1.10 | BFB3474 | 03/05/2022 14:06 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <16.5 | U | ug/kg dry | 10 | 16.5 | 16.5 | BFB3474 | 03/05/2022 14:06 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *104%* | | *60-140* | | | | | *03/05/2022 14:06* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *111%* | | *60-140* | | | | | *03/05/2022 14:06* | |
| SW-8082 | PCBs, Total | A | <1.14 | U | ug/kg dry | 1 | 1.14 | 2.28 | BFC0070 | 03/05/2022 23:15 | SO |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7C-S (Continued)
Lab Sample ID: 22A3944-34
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/16/2022 18:47
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *88.8%* | | *60-140* | | | | | *03/05/2022 23:15* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *80.0%* | | *60-140* | | | | | *03/05/2022 23:15* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <3.45 | U | mg/kg dry | 1 | 3.45 | 10.4 | BFC0009 | 03/11/2022 02:13 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *73.5%* | | *70-130* | | | | | *03/11/2022 02:13* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *94.9%* | | *70-130* | | | | | *03/11/2022 02:13* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.319 | A, U | mg/kg dry | 10 | 0.319 | 0.640 | BFB2873 | 02/22/2022 12:50 | DAL |
| EPA 200.8 | Arsenic | A | 0.595 | | mg/kg dry | 10 | 0.0319 | 0.319 | BFB2873 | 02/22/2022 12:50 | DAL |
| EPA 200.8 | Beryllium | A | 0.162 | | mg/kg dry | 10 | 0.00640 | 0.128 | BFB2873 | 02/22/2022 14:18 | DAL |
| EPA 200.8 | Cadmium | A | <0.0319 | A, U | mg/kg dry | 10 | 0.0319 | 0.640 | BFB2873 | 02/22/2022 12:50 | DAL |
| EPA 200.8 | Chromium | A | 1.95 | | mg/kg dry | 10 | 0.0957 | 1.91 | BFB2873 | 02/22/2022 12:50 | DAL |
| EPA 200.8 | Copper | A | 0.807 | | mg/kg dry | 10 | 0.128 | 0.640 | BFB2873 | 02/22/2022 12:50 | DAL |
| Calc | Chromium (III) | | <2.06 | U | mg/kg (dry wt) dry | 10 | 2.06 | 7.47 | [CALC] | 03/09/2022 20:24 | CTC |
| SW-7196 | Chromium (VI) | A | <1.97 | U | mg/kg dry | 1 | 1.97 | 5.55 | BFB3694 | 03/09/2022 20:24 | CTC |
| SW-7471B | Mercury | A | 0.0139 | | mg/kg dry | 1 | 0.00505 | 0.0101 | BFB2900 | 02/23/2022 13:45 | KEV |
| EPA 200.8 | Lead | A | 3.42 | | mg/kg dry | 10 | 0.0319 | 0.319 | BFB2873 | 02/22/2022 12:50 | DAL |
| EPA 200.8 | Nickel | A | 1.88 | | mg/kg dry | 10 | 0.640 | 0.640 | BFB2873 | 02/22/2022 12:50 | DAL |
| EPA 200.8 | Selenium | A | <0.640 | A, U | mg/kg dry | 10 | 0.640 | 3.19 | BFB2873 | 02/22/2022 12:50 | DAL |
| EPA 200.8 | Silver | A | <0.0160 | A, B, U | mg/kg dry | 10 | 0.0160 | 0.319 | BFB2873 | 02/22/2022 12:50 | DAL |
| EPA 200.8 | Thallium | A | 0.0308 | J | mg/kg dry | 10 | 0.0160 | 0.319 | BFB2873 | 02/22/2022 12:50 | DAL |
| EPA 200.8 | Zinc | A | 4.75 | B | mg/kg dry | 10 | 0.640 | 1.28 | BFB2873 | 02/22/2022 12:50 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0305 | U | mg/kg dry | 1 | 0.0305 | 0.0610 | BFB3287 | 02/25/2022 17:52 | CTC |
| EPA 350.2 | Ammonia as N | A | <11.9 | U | mg/kg dry | 1 | 11.9 | 23.9 | BFC0772 | 03/08/2022 10:46 | NAZ |
| SW-9045C | pH | A | 8.36 | H | pH Units @ 25 °C | 1 | | 0.100 | BFB3066 | 02/23/2022 12:25 | EM |
| SM 2540 G | % Solids | A | 83.7 | | % | 1 | 0.100 | 0.100 | BFB2875 | 02/23/2022 09:54 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7C-S
Lab Sample ID: 22A3944-34RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/16/2022 18:47
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <2.82 | U | ug/kg dry | 1 | 2.82 | 5.64 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <2.82 | U | ug/kg dry | 1 | 2.82 | 5.64 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.41 | CQb, U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/11/2022 23:56 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *61.8%* | | *60-140* | | | | | *03/11/2022 23:56* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *75.9%* | | *60-140* | | | | | *03/11/2022 23:56* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *69.8%* | | *60-140* | | | | | *03/11/2022 23:56* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *86.6%* | | *60-140* | | | | | *03/11/2022 23:56* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *62.8%* | | *60-140* | | | | | *03/11/2022 23:56* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *51.4%* | *S* | *60-140* | | | | | *03/11/2022 23:56* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-07-7C-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-34RE2 | Date Collected: | 02/16/2022 18:47 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/31/2022 06:31 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.82 | BFB3398 | 03/31/2022 06:31 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *82.3%* | | *60-140* | | | | | *03/31/2022 06:31* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *75.9%* | | *60-140* | | | | | *03/31/2022 06:31* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *76.1%* | | *60-140* | | | | | *03/31/2022 06:31* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *103%* | | *60-140* | | | | | *03/31/2022 06:31* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *89.1%* | | *60-140* | | | | | *03/31/2022 06:31* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *53.8%* | *S* | *60-140* | | | | | *03/31/2022 06:31* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-8A-S
Lab Sample ID: 22A3944-36
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/22/2022 13:20
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/02/2022 02:26 | KRB |
| SW-8270 | Benzidine | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/02/2022 02:26 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *74.1%* | | *60-140* | | | | | *04/02/2022 02:26* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *85.1%* | | *60-140* | | | | | *04/02/2022 02:26* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *123%* | | *60-140* | | | | | *04/02/2022 02:26* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *104%* | | *60-140* | | | | | *04/02/2022 02:26* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *86.9%* | | *60-140* | | | | | *04/02/2022 02:26* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *74.3%* | | *60-140* | | | | | *04/02/2022 02:26* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | 4,4'-DDE | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | 4,4'-DDT | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Aldrin | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | delta-BHC | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Dieldrin | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Endosulfan I | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Endosulfan II | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Endrin | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Endrin aldehyde | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Endrin ketone | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | gamma-Chlordane | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Heptachlor | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Methoxychlor | A | <0.345 | U | ug/kg dry | 10 | 0.345 | 1.15 | BFC0961 | 03/10/2022 11:36 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <17.2 | U | ug/kg dry | 10 | 17.2 | 17.2 | BFC0961 | 03/10/2022 11:36 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *111%* | | *60-140* | | | | | *03/10/2022 11:36* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-8A-S (Continued)
Lab Sample ID: 22A3944-36
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/22/2022 13:20
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *117%* | | *60-140* | | | | | *03/10/2022 11:36* | |
| SW-8082 | PCBs, Total | A | <1.19 | U | ug/kg dry | 1 | 1.19 | 2.38 | BFC0070 | 03/05/2022 23:39 | SO |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *72.1%* | | *60-140* | | | | | *03/05/2022 23:39* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *63.4%* | | *60-140* | | | | | *03/05/2022 23:39* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <3.53 | U | mg/kg dry | 1 | 3.53 | 10.6 | BFC0009 | 03/11/2022 02:37 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *77.2%* | | *70-130* | | | | | *03/11/2022 02:37* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *93.1%* | | *70-130* | | | | | *03/11/2022 02:37* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.274 | A, U | mg/kg dry | 10 | 0.274 | 0.550 | BFC0620 | 03/04/2022 11:30 | DAL |
| EPA 200.8 | Arsenic | A | 0.396 | | mg/kg dry | 10 | 0.0274 | 0.274 | BFC0620 | 03/04/2022 11:30 | DAL |
| EPA 200.8 | Beryllium | A | 0.0688 | J | mg/kg dry | 10 | 0.00550 | 0.110 | BFC0620 | 03/07/2022 09:06 | DAL |
| EPA 200.8 | Cadmium | A | <0.0274 | A, U | mg/kg dry | 10 | 0.0274 | 0.550 | BFC0620 | 03/04/2022 11:30 | DAL |
| EPA 200.8 | Chromium | A | 1.94 | | mg/kg dry | 10 | 0.0823 | 1.65 | BFC0620 | 03/04/2022 11:30 | DAL |
| EPA 200.8 | Copper | A | 1.42 | V | mg/kg dry | 10 | 0.110 | 0.550 | BFC0620 | 03/04/2022 11:30 | DAL |
| Calc | Chromium (III) | | <2.05 | U | mg/kg (dry wt) dry | 10 | 2.05 | 7.21 | [CALC] | 03/09/2022 20:24 | CTC |
| SW-7196 | Chromium (VI) | A | <1.97 | U | mg/kg dry | 1 | 1.97 | 5.57 | BFB3694 | 03/09/2022 20:24 | CTC |
| SW-7471B | Mercury | A | 0.00737 | J | mg/kg dry | 1 | 0.00482 | 0.00963 | BFB3136 | 03/01/2022 16:45 | KEV |
| EPA 200.8 | Lead | A | 1.91 | | mg/kg dry | 10 | 0.0274 | 0.274 | BFC0620 | 03/04/2022 11:30 | DAL |
| EPA 200.8 | Nickel | A | 0.968 | | mg/kg dry | 10 | 0.550 | 0.550 | BFC0620 | 03/07/2022 09:06 | DAL |
| EPA 200.8 | Selenium | A | <0.550 | A, U | mg/kg dry | 10 | 0.550 | 2.74 | BFC0620 | 03/04/2022 11:30 | DAL |
| EPA 200.8 | Silver | A | <0.0137 | A, U | mg/kg dry | 10 | 0.0137 | 0.274 | BFC0620 | 03/04/2022 11:30 | DAL |
| EPA 200.8 | Thallium | A | 0.0229 | J | mg/kg dry | 10 | 0.0137 | 0.274 | BFC0620 | 03/04/2022 11:30 | DAL |
| EPA 200.8 | Zinc | A | 5.43 | V | mg/kg dry | 10 | 0.550 | 1.10 | BFC0620 | 03/04/2022 11:30 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0303 | U | mg/kg dry | 1 | 0.0303 | 0.0607 | BFC0271 | 03/04/2022 17:10 | CTC |
| EPA 350.2 | Ammonia as N | A | 12.0 | J | mg/kg dry | 1 | 11.9 | 23.8 | BFC0772 | 03/08/2022 10:46 | NAZ |
| SW-9045C | pH | A | 8.34 | H | pH Units @ 25 °C | 1 | | 0.100 | BFC0103 | 03/01/2022 16:03 | EM |
| SM 2540 G | % Solids | A | 84.1 | | % | 1 | 0.100 | 0.100 | BFB3351 | 02/28/2022 10:49 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-8A-S
Lab Sample ID: 22A3944-36RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/22/2022 13:20
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <2.88 | U | ug/kg dry | 1 | 2.88 | 5.76 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <2.88 | U | ug/kg dry | 1 | 2.88 | 5.76 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <2.88 | U | ug/kg dry | 1 | 2.88 | 5.76 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <2.88 | U | ug/kg dry | 1 | 2.88 | 5.76 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <2.88 | U | ug/kg dry | 1 | 2.88 | 5.76 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <11.5 | U | ug/kg dry | 1 | 11.5 | 23.1 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <2.88 | U | ug/kg dry | 1 | 2.88 | 5.76 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <2.88 | U | ug/kg dry | 1 | 2.88 | 5.76 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-8A-S (Continued)
Lab Sample ID: 22A3944-36RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/22/2022 13:20
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 11.8 | | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 1.87 | J | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <7.20 | U | ug/kg dry | 1 | 7.20 | 14.4 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <2.88 | U | ug/kg dry | 1 | 2.88 | 5.76 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | <2.88 | U | ug/kg dry | 1 | 2.88 | 5.76 | BFC0958 | 04/12/2022 18:18 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.44 | U | ug/kg dry | 1 | 1.44 | 2.88 | BFC0958 | 04/12/2022 18:18 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *88.0%* | | *60-140* | | | | | *04/12/2022 18:18* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *93.7%* | | *60-140* | | | | | *04/12/2022 18:18* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *92.5%* | | *60-140* | | | | | *04/12/2022 18:18* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *94.7%* | | *60-140* | | | | | *04/12/2022 18:18* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *118%* | | *60-140* | | | | | *04/12/2022 18:18* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *74.0%* | | *60-140* | | | | | *04/12/2022 18:18* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-8C-S
Lab Sample ID: 22A3944-38
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/24/2022 17:50
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/02/2022 03:01 | KRB |
| SW-8270 | Benzidine | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/02/2022 03:01 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *93.6%* | | *60-140* | | | | | *04/02/2022 03:01* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *78.5%* | | *60-140* | | | | | *04/02/2022 03:01* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *146%* | *S* | *60-140* | | | | | *04/02/2022 03:01* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *108%* | | *60-140* | | | | | *04/02/2022 03:01* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *88.7%* | | *60-140* | | | | | *04/02/2022 03:01* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *84.6%* | | *60-140* | | | | | *04/02/2022 03:01* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | 4,4'-DDE | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | 4,4'-DDT | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Aldrin | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | delta-BHC | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Dieldrin | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Endosulfan I | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Endosulfan II | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Endrin | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Endrin aldehyde | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Endrin ketone | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | gamma-Chlordane | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Heptachlor | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Methoxychlor | A | <0.336 | U | ug/kg dry | 10 | 0.336 | 1.12 | BFC0961 | 03/10/2022 12:00 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <16.8 | U | ug/kg dry | 10 | 16.8 | 16.8 | BFC0961 | 03/10/2022 12:00 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *106%* | | *60-140* | | | | | *03/10/2022 12:00* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-8C-S (Continued)
Lab Sample ID: 22A3944-38
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/24/2022 17:50
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *108%* | | *60-140* | | | | | *03/10/2022 12:00* | |
| SW-8082 | PCBs, Total | A | <1.15 | U | ug/kg dry | 1 | 1.15 | 2.31 | BFC1955 | 04/02/2022 05:10 | CRO |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *89.2%* | | *60-140* | | | | | *04/02/2022 05:10* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *89.0%* | | *60-140* | | | | | *04/02/2022 05:10* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <3.55 | U | mg/kg dry | 1 | 3.55 | 10.7 | BFC0727 | 03/11/2022 06:57 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *69.0%* | *S* | *70-130* | | | | | *03/11/2022 06:57* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *91.8%* | | *70-130* | | | | | *03/11/2022 06:57* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.392 | A, U | mg/kg dry | 10 | 0.392 | 0.786 | BFC0620 | 03/04/2022 11:32 | DAL |
| EPA 200.8 | Arsenic | A | 2.68 | | mg/kg dry | 10 | 0.0392 | 0.392 | BFC0620 | 03/04/2022 11:32 | DAL |
| EPA 200.8 | Beryllium | A | 0.0414 | J | mg/kg dry | 10 | 0.00786 | 0.157 | BFC0620 | 03/07/2022 09:08 | DAL |
| EPA 200.8 | Cadmium | A | <0.0392 | A, U | mg/kg dry | 10 | 0.0392 | 0.786 | BFC0620 | 03/04/2022 11:32 | DAL |
| EPA 200.8 | Chromium | A | 3.76 | | mg/kg dry | 10 | 0.118 | 2.35 | BFC0620 | 03/04/2022 11:32 | DAL |
| EPA 200.8 | Copper | A | 0.979 | V | mg/kg dry | 10 | 0.157 | 0.786 | BFC0620 | 03/04/2022 11:32 | DAL |
| Calc | Chromium (III) | | 3.76 | J | mg/kg (dry wt) dry | 10 | 2.30 | 8.53 | [CALC] | 03/28/2022 17:45 | EM |
| SW-7196 | Chromium (VI) | A | <2.19 | U | mg/kg dry | 1 | 2.19 | 6.18 | BFC3544 | 03/28/2022 17:45 | EM |
| SW-7471B | Mercury | A | 0.00759 | J | mg/kg dry | 1 | 0.00493 | 0.00986 | BFC0177 | 03/04/2022 12:36 | KEV |
| EPA 200.8 | Lead | A | 2.61 | | mg/kg dry | 10 | 0.0392 | 0.392 | BFC0620 | 03/04/2022 11:32 | DAL |
| EPA 200.8 | Nickel | A | 1.34 | | mg/kg dry | 10 | 0.786 | 0.786 | BFC0620 | 03/07/2022 09:08 | DAL |
| EPA 200.8 | Selenium | A | <0.786 | A, U | mg/kg dry | 10 | 0.786 | 3.92 | BFC0620 | 03/04/2022 11:32 | DAL |
| EPA 200.8 | Silver | A | <0.0196 | A, U | mg/kg dry | 10 | 0.0196 | 0.392 | BFC0620 | 03/04/2022 11:32 | DAL |
| EPA 200.8 | Thallium | A | <0.0196 | A, U | mg/kg dry | 10 | 0.0196 | 0.392 | BFC0620 | 03/04/2022 11:32 | DAL |
| EPA 200.8 | Zinc | A | 4.87 | V | mg/kg dry | 10 | 0.786 | 1.57 | BFC0620 | 03/04/2022 11:32 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0280 | U | mg/kg dry | 1 | 0.0280 | 0.0559 | BFC0271 | 03/04/2022 17:11 | CTC |
| EPA 350.2 | Ammonia as N | A | <11.8 | U | mg/kg dry | 1 | 11.8 | 23.5 | BFC0772 | 03/08/2022 10:46 | NAZ |
| SW-9045C | pH | A | 8.17 | H | pH Units @ 25 °C | 1 | | 0.100 | BFC0778 | 03/04/2022 16:24 | AKA |
| SM 2540 G | % Solids | A | 84.3 | | % | 1 | 0.100 | 0.100 | BFC0534 | 03/04/2022 11:09 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-08-8C-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-38RE1 | Date Collected: | 02/24/2022 17:50 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <2.75 | U | ug/kg dry | 1 | 2.75 | 5.50 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <2.75 | U | ug/kg dry | 1 | 2.75 | 5.50 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <2.75 | U | ug/kg dry | 1 | 2.75 | 5.50 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <2.75 | U | ug/kg dry | 1 | 2.75 | 5.50 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <2.75 | U | ug/kg dry | 1 | 2.75 | 5.50 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <11.0 | U | ug/kg dry | 1 | 11.0 | 22.0 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <2.75 | U | ug/kg dry | 1 | 2.75 | 5.50 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <2.75 | U | ug/kg dry | 1 | 2.75 | 5.50 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-08-8C-S (Continued)
Lab Sample ID: 22A3944-38RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/24/2022 17:50
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 19.8 | | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <6.88 | U | ug/kg dry | 1 | 6.88 | 13.8 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <2.75 | U | ug/kg dry | 1 | 2.75 | 5.50 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | <2.75 | U | ug/kg dry | 1 | 2.75 | 5.50 | BFC0958 | 04/12/2022 18:53 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.38 | U | ug/kg dry | 1 | 1.38 | 2.75 | BFC0958 | 04/12/2022 18:53 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *103%* | | *60-140* | | | | | *04/12/2022 18:53* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *102%* | | *60-140* | | | | | *04/12/2022 18:53* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *93.6%* | | *60-140* | | | | | *04/12/2022 18:53* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *95.1%* | | *60-140* | | | | | *04/12/2022 18:53* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *108%* | | *60-140* | | | | | *04/12/2022 18:53* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *80.4%* | | *60-140* | | | | | *04/12/2022 18:53* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9A-S
Lab Sample ID: 22A3944-40
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/18/2022 17:31
Collected by: Collected by Client

### Semivolatile Organic Compounds by GCMS

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-8270 | 1,2,4-Trichlorobenzene | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <3.01 | U | ug/kg dry | 1 | 3.01 | 6.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <3.01 | U | ug/kg dry | 1 | 3.01 | 6.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <3.01 | U | ug/kg dry | 1 | 3.01 | 6.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 2-Chloronaphthalene | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | <12.0 | U | ug/kg dry | 1 | 12.0 | 24.1 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 2-Nitrophenol | A | <3.01 | U | ug/kg dry | 1 | 3.01 | 6.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <3.01 | U | ug/kg dry | 1 | 3.01 | 6.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | 4-Nitrophenol | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Diethyl phthalate | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Dimethyl phthalate | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <1.50 | B, U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Hexachlorobenzene | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Hexachlorobutadiene | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Hexachloroethane | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Isophorone | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Nitrobenzene | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Pentachlorophenol | A | <3.01 | U | ug/kg dry | 1 | 3.01 | 6.01 | BFB3398 | 03/05/2022 03:10 | KRB |
| SW-8270 | Phenol, Total | A | <3.01 | U | ug/kg dry | 1 | 3.01 | 6.01 | BFB3398 | 03/05/2022 03:10 | KRB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9A-S (Continued)
Lab Sample ID: 22A3944-40
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/18/2022 17:31
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *102%* | | *60-140* | | | | | *03/05/2022 03:10* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *78.2%* | | *60-140* | | | | | *03/05/2022 03:10* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *69.8%* | | *60-140* | | | | | *03/05/2022 03:10* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *71.8%* | | *60-140* | | | | | *03/05/2022 03:10* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *97.2%* | | *60-140* | | | | | *03/05/2022 03:10* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *75.1%* | | *60-140* | | | | | *03/05/2022 03:10* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | 4,4'-DDE | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | 4,4'-DDT | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Aldrin | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | delta-BHC | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Dieldrin | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Endosulfan I | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Endosulfan II | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Endrin | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Endrin aldehyde | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Endrin ketone | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | gamma-Chlordane | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Heptachlor | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Methoxychlor | A | <0.366 | U | ug/kg dry | 10 | 0.366 | 1.22 | BFB3474 | 03/05/2022 14:30 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <18.3 | U | ug/kg dry | 10 | 18.3 | 18.3 | BFB3474 | 03/05/2022 14:30 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *111%* | | *60-140* | | | | | *03/05/2022 14:30* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *112%* | | *60-140* | | | | | *03/05/2022 14:30* | |
| SW-8082 | PCBs, Total | A | <1.23 | U | ug/kg dry | 1 | 1.23 | 2.46 | BFC0070 | 03/06/2022 00:03 | SO |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9A-S (Continued)
Lab Sample ID: 22A3944-40
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/18/2022 17:31
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *83.5%* | | *60-140* | | | | | *03/06/2022 00:03* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *74.4%* | | *60-140* | | | | | *03/06/2022 00:03* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <3.72 | B, U | mg/kg dry | 1 | 3.72 | 11.2 | BFB3309 | 02/28/2022 20:22 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *76.7%* | | *70-130* | | | | | *02/28/2022 20:22* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *100%* | | *70-130* | | | | | *02/28/2022 20:22* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.222 | A, U | mg/kg dry | 10 | 0.222 | 0.445 | BFC2626 | 03/18/2022 11:10 | DAL |
| EPA 200.8 | Arsenic | A | 0.986 | | mg/kg dry | 10 | 0.0222 | 0.222 | BFC2626 | 03/18/2022 11:10 | DAL |
| EPA 200.8 | Beryllium | A | 0.111 | | mg/kg dry | 10 | 0.00445 | 0.0887 | BFC2626 | 03/18/2022 11:10 | DAL |
| EPA 200.8 | Cadmium | A | 0.0460 | J | mg/kg dry | 10 | 0.0222 | 0.445 | BFC2626 | 03/18/2022 11:10 | DAL |
| EPA 200.8 | Chromium | A | 2.46 | V | mg/kg dry | 10 | 0.0666 | 1.33 | BFC2626 | 03/18/2022 11:10 | DAL |
| EPA 200.8 | Copper | A | 1.65 | | mg/kg dry | 10 | 0.0887 | 0.445 | BFC2626 | 03/18/2022 11:10 | DAL |
| Calc | Chromium (III) | | 2.46 | J | mg/kg (dry wt) dry | 10 | 2.15 | 7.21 | [CALC] | 03/18/2022 11:10 | CTC |
| SW-7196 | Chromium (VI) | A | <2.08 | U | mg/kg dry | 1 | 2.08 | 5.88 | BFB3694 | 03/09/2022 20:24 | CTC |
| SW-7471B | Mercury | A | 0.0127 | | mg/kg dry | 1 | 0.00511 | 0.0102 | BFB3136 | 03/01/2022 16:29 | KEV |
| EPA 200.8 | Lead | A | 2.43 | | mg/kg dry | 10 | 0.0222 | 0.222 | BFC2626 | 03/18/2022 11:10 | DAL |
| EPA 200.8 | Nickel | A | 2.07 | | mg/kg dry | 10 | 0.445 | 0.445 | BFC2626 | 03/18/2022 11:10 | DAL |
| EPA 200.8 | Selenium | A | 0.847 | J | mg/kg dry | 10 | 0.445 | 2.22 | BFC2626 | 03/18/2022 11:10 | DAL |
| EPA 200.8 | Silver | A | <0.0111 | A, U | mg/kg dry | 10 | 0.0111 | 0.222 | BFC2626 | 03/18/2022 11:10 | DAL |
| EPA 200.8 | Thallium | A | 0.0346 | J | mg/kg dry | 10 | 0.0111 | 0.222 | BFC2626 | 03/18/2022 11:10 | DAL |
| EPA 200.8 | Zinc | A | 7.27 | | mg/kg dry | 10 | 0.445 | 0.887 | BFC2626 | 03/18/2022 11:10 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0295 | U | mg/kg dry | 1 | 0.0295 | 0.0591 | BFB3287 | 02/25/2022 17:52 | CTC |
| EPA 350.2 | Ammonia as N | A | <12.4 | U | mg/kg dry | 1 | 12.4 | 24.8 | BFC0772 | 03/08/2022 10:46 | NAZ |
| SW-9045C | pH | A | 8.45 | H | pH Units @ 25 °C | 1 | | 0.100 | BFB3066 | 02/23/2022 12:25 | EM |
| SM 2540 G | % Solids | A | 80.6 | | % | 1 | 0.100 | 0.100 | BFB2981 | 02/24/2022 12:42 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9A-S
Lab Sample ID: 22A3944-40RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/18/2022 17:31
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <3.01 | U | ug/kg dry | 1 | 3.01 | 6.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <3.01 | U | ug/kg dry | 1 | 3.01 | 6.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.50 | CQb, U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/12/2022 00:31 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *75.8%* | | *60-140* | | | | | *03/12/2022 00:31* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *92.5%* | | *60-140* | | | | | *03/12/2022 00:31* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *56.6%* | *S* | *60-140* | | | | | *03/12/2022 00:31* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *79.8%* | | *60-140* | | | | | *03/12/2022 00:31* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *84.1%* | | *60-140* | | | | | *03/12/2022 00:31* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *66.2%* | | *60-140* | | | | | *03/12/2022 00:31* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-09-9A-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-40RE2 | Date Collected: | 02/18/2022 17:31 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/31/2022 07:06 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.01 | BFB3398 | 03/31/2022 07:06 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *98.6%* | | *60-140* | | | | | *03/31/2022 07:06* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *73.2%* | | *60-140* | | | | | *03/31/2022 07:06* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *75.9%* | | *60-140* | | | | | *03/31/2022 07:06* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *93.6%* | | *60-140* | | | | | *03/31/2022 07:06* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *92.4%* | | *60-140* | | | | | *03/31/2022 07:06* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *73.5%* | | *60-140* | | | | | *03/31/2022 07:06* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9C-S-CORE 1
Lab Sample ID: 22A3944-41
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/19/2022 9:15
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <2.81 | U | ug/kg dry | 1 | 2.81 | 5.62 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <2.81 | U | ug/kg dry | 1 | 2.81 | 5.62 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <2.81 | U | ug/kg dry | 1 | 2.81 | 5.62 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 2-Chloronaphthalene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | <11.2 | U | ug/kg dry | 1 | 11.2 | 22.5 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 2-Nitrophenol | A | <2.81 | U | ug/kg dry | 1 | 2.81 | 5.62 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <2.81 | U | ug/kg dry | 1 | 2.81 | 5.62 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | 4-Nitrophenol | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 3.46 | | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Diethyl phthalate | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Dimethyl phthalate | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <1.41 | B, U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Hexachlorobenzene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Hexachlorobutadiene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Hexachloroethane | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Isophorone | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Nitrobenzene | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Pentachlorophenol | A | <2.81 | U | ug/kg dry | 1 | 2.81 | 5.62 | BFB3398 | 03/05/2022 03:45 | KRB |
| SW-8270 | Phenol, Total | A | <2.81 | U | ug/kg dry | 1 | 2.81 | 5.62 | BFB3398 | 03/05/2022 03:45 | KRB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9C-S-CORE 1 (Continued)
Lab Sample ID: 22A3944-41
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/19/2022 9:15
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *89.3%* | | *60-140* | | | | | *03/05/2022 03:45* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *79.5%* | | *60-140* | | | | | *03/05/2022 03:45* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *72.2%* | | *60-140* | | | | | *03/05/2022 03:45* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *77.8%* | | *60-140* | | | | | *03/05/2022 03:45* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *90.8%* | | *60-140* | | | | | *03/05/2022 03:45* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *75.1%* | | *60-140* | | | | | *03/05/2022 03:45* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | 4,4'-DDE | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | 4,4'-DDT | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Aldrin | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | delta-BHC | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Dieldrin | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Endosulfan I | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Endosulfan II | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Endrin | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Endrin aldehyde | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Endrin ketone | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | gamma-Chlordane | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Heptachlor | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Methoxychlor | A | <0.340 | U | ug/kg dry | 10 | 0.340 | 1.13 | BFB3474 | 03/05/2022 14:54 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <17.0 | U | ug/kg dry | 10 | 17.0 | 17.0 | BFB3474 | 03/05/2022 14:54 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *116%* | | *60-140* | | | | | *03/05/2022 14:54* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *113%* | | *60-140* | | | | | *03/05/2022 14:54* | |
| SW-8082 | PCBs, Total | A | <1.12 | U | ug/kg dry | 1 | 1.12 | 2.24 | BFC0070 | 03/06/2022 00:27 | SO |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9C-S-CORE 1 (Continued)
Lab Sample ID: 22A3944-41
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/19/2022 9:15
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *91.2%* | | *60-140* | | | | | *03/06/2022 00:27* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *73.7%* | | *60-140* | | | | | *03/06/2022 00:27* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <3.55 | B, U | mg/kg dry | 1 | 3.55 | 10.7 | BFB3309 | 02/28/2022 19:58 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *73.4%* | | *70-130* | | | | | *02/28/2022 19:58* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *99.8%* | | *70-130* | | | | | *02/28/2022 19:58* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.385 | A, U | mg/kg dry | 10 | 0.385 | 0.772 | BFC2626 | 03/18/2022 11:17 | DAL |
| EPA 200.8 | Arsenic | A | 0.439 | | mg/kg dry | 10 | 0.0385 | 0.385 | BFC2626 | 03/18/2022 11:17 | DAL |
| EPA 200.8 | Beryllium | A | 0.137 | J | mg/kg dry | 10 | 0.00772 | 0.154 | BFC2626 | 03/18/2022 11:17 | DAL |
| EPA 200.8 | Cadmium | A | <0.0385 | A, U | mg/kg dry | 10 | 0.0385 | 0.772 | BFC2626 | 03/18/2022 11:17 | DAL |
| EPA 200.8 | Chromium | A | 2.50 | V | mg/kg dry | 10 | 0.116 | 2.31 | BFC2626 | 03/18/2022 11:17 | DAL |
| EPA 200.8 | Copper | A | 3.57 | | mg/kg dry | 10 | 0.154 | 0.772 | BFC2626 | 03/18/2022 11:17 | DAL |
| Calc | Chromium (III) | | 2.50 | J | mg/kg (dry wt) dry | 10 | 2.44 | 8.86 | [CALC] | 03/18/2022 11:17 | CTC |
| SW-7196 | Chromium (VI) | A | <2.32 | U | mg/kg dry | 1 | 2.32 | 6.55 | BFB3694 | 03/09/2022 20:25 | CTC |
| SW-7471B | Mercury | A | 0.0136 | | mg/kg dry | 1 | 0.00514 | 0.0103 | BFB3136 | 03/01/2022 16:39 | KEV |
| EPA 200.8 | Lead | A | 3.60 | | mg/kg dry | 10 | 0.0385 | 0.385 | BFC2626 | 03/18/2022 11:17 | DAL |
| EPA 200.8 | Nickel | A | 1.72 | | mg/kg dry | 10 | 0.772 | 0.772 | BFC2626 | 03/18/2022 11:17 | DAL |
| EPA 200.8 | Selenium | A | <0.772 | A, U | mg/kg dry | 10 | 0.772 | 3.85 | BFC2626 | 03/18/2022 11:17 | DAL |
| EPA 200.8 | Silver | A | <0.0193 | A, U | mg/kg dry | 10 | 0.0193 | 0.385 | BFC2626 | 03/18/2022 11:17 | DAL |
| EPA 200.8 | Thallium | A | 0.0343 | J | mg/kg dry | 10 | 0.0193 | 0.385 | BFC2626 | 03/18/2022 11:17 | DAL |
| EPA 200.8 | Zinc | A | 8.24 | | mg/kg dry | 10 | 0.772 | 1.54 | BFC2626 | 03/18/2022 11:17 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0269 | U | mg/kg dry | 1 | 0.0269 | 0.0539 | BFB3287 | 02/25/2022 17:52 | CTC |
| EPA 350.2 | Ammonia as N | A | <11.8 | U | mg/kg dry | 1 | 11.8 | 23.6 | BFC0772 | 03/08/2022 10:46 | NAZ |
| SW-9045C | pH | A | 8.63 | H | pH Units @ 25 °C | 1 | | 0.100 | BFB3066 | 02/23/2022 12:25 | EM |
| SM 2540 G | % Solids | A | 84.4 | | % | 1 | 0.100 | 0.100 | BFB2981 | 02/24/2022 12:42 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9C-S-CORE 1
Lab Sample ID: 22A3944-41RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/19/2022 9:15
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <2.81 | U | ug/kg dry | 1 | 2.81 | 5.62 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <2.81 | U | ug/kg dry | 1 | 2.81 | 5.62 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.41 | CQb, U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/12/2022 01:06 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *75.6%* | | *60-140* | | | | | *03/12/2022 01:06* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *86.3%* | | *60-140* | | | | | *03/12/2022 01:06* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *62.7%* | | *60-140* | | | | | *03/12/2022 01:06* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *80.1%* | | *60-140* | | | | | *03/12/2022 01:06* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *78.8%* | | *60-140* | | | | | *03/12/2022 01:06* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *53.9%* | *S* | *60-140* | | | | | *03/12/2022 01:06* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9C-S-CORE 1
Lab Sample ID: 22A3944-41RE2
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/19/2022 9:15
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/31/2022 07:41 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <1.41 | U | ug/kg dry | 1 | 1.41 | 2.81 | BFB3398 | 03/31/2022 07:41 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *126%* | | *60-140* | | | | | *03/31/2022 07:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *70.0%* | | *60-140* | | | | | *03/31/2022 07:41* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *76.2%* | | *60-140* | | | | | *03/31/2022 07:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *93.1%* | | *60-140* | | | | | *03/31/2022 07:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *89.6%* | | *60-140* | | | | | *03/31/2022 07:41* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *74.2%* | | *60-140* | | | | | *03/31/2022 07:41* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9C-S-CORE 2
Lab Sample ID: 22A3944-42
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/20/2022 15:30
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <2.87 | U | ug/kg dry | 1 | 2.87 | 5.74 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <2.87 | U | ug/kg dry | 1 | 2.87 | 5.74 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <2.87 | U | ug/kg dry | 1 | 2.87 | 5.74 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 2-Chloronaphthalene | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | <11.5 | U | ug/kg dry | 1 | 11.5 | 22.9 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 2-Nitrophenol | A | <2.87 | U | ug/kg dry | 1 | 2.87 | 5.74 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <2.87 | U | ug/kg dry | 1 | 2.87 | 5.74 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | 4-Nitrophenol | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Diethyl phthalate | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Dimethyl phthalate | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <1.43 | B, U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Hexachlorobenzene | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Hexachlorobutadiene | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Hexachloroethane | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Isophorone | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Nitrobenzene | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Pentachlorophenol | A | <2.87 | U | ug/kg dry | 1 | 2.87 | 5.74 | BFB3398 | 03/05/2022 04:19 | KRB |
| SW-8270 | Phenol, Total | A | 8.54 | | ug/kg dry | 1 | 2.87 | 5.74 | BFB3398 | 03/05/2022 04:19 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9C-S-CORE 2 (Continued)
Lab Sample ID: 22A3944-42
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/20/2022 15:30
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *96.8%* | | *60-140* | | | | | *03/05/2022 04:19* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *77.4%* | | *60-140* | | | | | *03/05/2022 04:19* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *76.4%* | | *60-140* | | | | | *03/05/2022 04:19* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *88.6%* | | *60-140* | | | | | *03/05/2022 04:19* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *87.9%* | | *60-140* | | | | | *03/05/2022 04:19* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *55.1%* | *S* | *60-140* | | | | | *03/05/2022 04:19* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | 4,4'-DDE | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | 4,4'-DDT | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Aldrin | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | delta-BHC | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Dieldrin | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Endosulfan I | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Endosulfan II | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Endrin | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Endrin aldehyde | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Endrin ketone | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | gamma-Chlordane | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Heptachlor | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Methoxychlor | A | <0.347 | U | ug/kg dry | 10 | 0.347 | 1.16 | BFB3474 | 03/05/2022 15:18 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <17.4 | U | ug/kg dry | 10 | 17.4 | 17.4 | BFB3474 | 03/05/2022 15:18 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *103%* | | *60-140* | | | | | *03/05/2022 15:18* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *112%* | | *60-140* | | | | | *03/05/2022 15:18* | |
| SW-8082 | PCBs, Total | A | <1.18 | U | ug/kg dry | 1 | 1.18 | 2.36 | BFC0070 | 03/06/2022 00:51 | SO |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Sample Results
**(Continued)**

Client Sample ID: CDP-09-9C-S-CORE 2 (Continued)
Lab Sample ID: 22A3944-42
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/20/2022 15:30
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *103%* | | *60-140* | | | | | *03/06/2022 00:51* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *97.7%* | | *60-140* | | | | | *03/06/2022 00:51* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <3.60 | B, U | mg/kg dry | 1 | 3.60 | 10.8 | BFB3309 | 02/28/2022 19:35 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *77.9%* | | *70-130* | | | | | *02/28/2022 19:35* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *103%* | | *70-130* | | | | | *02/28/2022 19:35* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.421 | A, U | mg/kg dry | 10 | 0.421 | 0.845 | BFC2626 | 03/18/2022 11:19 | DAL |
| EPA 200.8 | Arsenic | A | 0.942 | | mg/kg dry | 10 | 0.0421 | 0.421 | BFC2626 | 03/18/2022 11:19 | DAL |
| EPA 200.8 | Beryllium | A | 0.168 | | mg/kg dry | 10 | 0.00845 | 0.168 | BFC2626 | 03/18/2022 11:19 | DAL |
| EPA 200.8 | Cadmium | A | <0.0421 | A, U | mg/kg dry | 10 | 0.0421 | 0.845 | BFC2626 | 03/18/2022 11:19 | DAL |
| EPA 200.8 | Chromium | A | 2.28 | V, J | mg/kg dry | 10 | 0.126 | 2.53 | BFC2626 | 03/18/2022 11:19 | DAL |
| EPA 200.8 | Copper | A | 1.25 | | mg/kg dry | 10 | 0.168 | 0.845 | BFC2626 | 03/18/2022 11:19 | DAL |
| Calc | Chromium (III) | | 2.28 | J | mg/kg (dry wt) dry | 10 | 2.20 | 8.38 | [CALC] | 03/18/2022 11:19 | CTC |
| SW-7196 | Chromium (VI) | A | <2.07 | U | mg/kg dry | 1 | 2.07 | 5.85 | BFB3694 | 03/09/2022 20:26 | CTC |
| SW-7471B | Mercury | A | 0.0148 | | mg/kg dry | 1 | 0.00518 | 0.0104 | BFB3136 | 03/01/2022 16:42 | KEV |
| EPA 200.8 | Lead | A | 2.89 | | mg/kg dry | 10 | 0.0421 | 0.421 | BFC2626 | 03/18/2022 11:19 | DAL |
| EPA 200.8 | Nickel | A | 2.17 | | mg/kg dry | 10 | 0.845 | 0.845 | BFC2626 | 03/18/2022 11:19 | DAL |
| EPA 200.8 | Selenium | A | <0.845 | A, U | mg/kg dry | 10 | 0.845 | 4.21 | BFC2626 | 03/18/2022 11:19 | DAL |
| EPA 200.8 | Silver | A | <0.0211 | A, U | mg/kg dry | 10 | 0.0211 | 0.421 | BFC2626 | 03/18/2022 11:19 | DAL |
| EPA 200.8 | Thallium | A | 0.0347 | J | mg/kg dry | 10 | 0.0211 | 0.421 | BFC2626 | 03/18/2022 11:19 | DAL |
| EPA 200.8 | Zinc | A | 6.46 | | mg/kg dry | 10 | 0.845 | 1.68 | BFC2626 | 03/18/2022 11:19 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0278 | U | mg/kg dry | 1 | 0.0278 | 0.0555 | BFB3287 | 02/25/2022 17:53 | CTC |
| EPA 350.2 | Ammonia as N | A | <11.9 | U | mg/kg dry | 1 | 11.9 | 23.8 | BFC0772 | 03/08/2022 10:46 | NAZ |
| SW-9045C | pH | A | 8.59 | H | pH Units @ 25 °C | 1 | | 0.100 | BFB3066 | 02/23/2022 12:25 | EM |
| SM 2540 G | % Solids | A | 83.4 | | % | 1 | 0.100 | 0.100 | BFB2981 | 02/24/2022 12:42 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-09-9C-S-CORE 2
Lab Sample ID: 22A3944-42RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/20/2022 15:30
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <2.87 | U | ug/kg dry | 1 | 2.87 | 5.74 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <2.87 | U | ug/kg dry | 1 | 2.87 | 5.74 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.43 | CQb, U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/12/2022 01:41 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *66.3%* | | *60-140* | | | | | *03/12/2022 01:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *87.4%* | | *60-140* | | | | | *03/12/2022 01:41* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *60.7%* | | *60-140* | | | | | *03/12/2022 01:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *80.7%* | | *60-140* | | | | | *03/12/2022 01:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *69.6%* | | *60-140* | | | | | *03/12/2022 01:41* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *48.8%* | *S* | *60-140* | | | | | *03/12/2022 01:41* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-09-9C-S-CORE 2 | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-42RE2 | Date Collected: | 02/20/2022 15:30 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/31/2022 08:16 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <1.43 | U | ug/kg dry | 1 | 1.43 | 2.87 | BFB3398 | 03/31/2022 08:16 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *90.6%* | | *60-140* | | | | | *03/31/2022 08:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *76.1%* | | *60-140* | | | | | *03/31/2022 08:16* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *77.3%* | | *60-140* | | | | | *03/31/2022 08:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *108%* | | *60-140* | | | | | *03/31/2022 08:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *89.7%* | | *60-140* | | | | | *03/31/2022 08:16* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *51.4%* | *S* | *60-140* | | | | | *03/31/2022 08:16* | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-REF-S
Lab Sample ID: 22A3944-43
Sample Alias:

Sample Matrix: Sediment
Date Collected: 03/03/2022 9:40
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/06/2022 01:53 | KRB |
| SW-8270 | Benzidine | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/06/2022 01:53 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *73.6%* | | *60-140* | | | | | *04/06/2022 01:53* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *83.1%* | | *60-140* | | | | | *04/06/2022 01:53* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *123%* | | *60-140* | | | | | *04/06/2022 01:53* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *105%* | | *60-140* | | | | | *04/06/2022 01:53* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *96.0%* | | *60-140* | | | | | *04/06/2022 01:53* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *43.1%* | *S* | *60-140* | | | | | *04/06/2022 01:53* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | 4,4'-DDE | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | 4,4'-DDT | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Aldrin | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | delta-BHC | A | 0.585 | J | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Dieldrin | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Endosulfan I | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Endosulfan II | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Endrin | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Endrin aldehyde | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Endrin ketone | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Heptachlor | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Methoxychlor | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 03/29/2022 06:57 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <25.3 | U | ug/kg dry | 10 | 25.3 | 25.3 | BFC1952 | 03/29/2022 06:57 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *67.5%* | | *60-140* | | | | | *03/29/2022 06:57* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *98.7%* | | *60-140* | | | | | *03/29/2022 06:57* | |
| SW-8082 | PCBs, Total | A | <1.70 | U | ug/kg dry | 1 | 1.70 | 3.39 | BFC1955 | 04/02/2022 03:59 | CRO |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-REF-S (Continued)
Lab Sample ID: 22A3944-43
Sample Alias:

Sample Matrix: Sediment
Date Collected: 03/03/2022 9:40
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *85.1%* | | *60-140* | | | | | *04/02/2022 03:59* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *81.0%* | | *60-140* | | | | | *04/02/2022 03:59* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | 6.44 | J | mg/kg dry | 1 | 5.14 | 15.4 | BFC1339 | 03/11/2022 21:25 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *61.5%* | *S* | *70-130* | | | | | *03/11/2022 21:25* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *81.5%* | | *70-130* | | | | | *03/11/2022 21:25* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.263 | A, U | mg/kg dry | 10 | 0.263 | 0.526 | BFC2626 | 03/18/2022 11:22 | DAL |
| EPA 200.8 | Arsenic | A | <0.0263 | A, U | mg/kg dry | 10 | 0.0263 | 0.263 | BFC2626 | 03/18/2022 11:22 | DAL |
| EPA 200.8 | Beryllium | A | <0.00526 | A, U | mg/kg dry | 10 | 0.00526 | 0.105 | BFC2626 | 03/18/2022 11:22 | DAL |
| EPA 200.8 | Cadmium | A | <0.0263 | A, U | mg/kg dry | 10 | 0.0263 | 0.526 | BFC2626 | 03/18/2022 11:22 | DAL |
| EPA 200.8 | Chromium | A | <0.0788 | A, B, U | mg/kg dry | 10 | 0.0788 | 1.58 | BFC2626 | 03/18/2022 11:22 | DAL |
| EPA 200.8 | Copper | A | <0.105 | A, U | mg/kg dry | 10 | 0.105 | 0.526 | BFC2626 | 03/18/2022 11:22 | DAL |
| Calc | Chromium (III) | | <3.28 | U | mg/kg (dry wt) dry | 10 | 3.28 | 10.6 | [CALC] | 03/28/2022 17:48 | EM |
| SW-7196 | Chromium (VI) | A | <3.20 | U | mg/kg dry | 1 | 3.20 | 9.04 | BFC3544 | 03/28/2022 17:48 | EM |
| SW-7471B | Mercury | A | 0.0189 | | mg/kg dry | 1 | 0.00780 | 0.0156 | BFC1656 | 03/17/2022 16:07 | KEV |
| EPA 200.8 | Lead | A | <0.0263 | A, U | mg/kg dry | 10 | 0.0263 | 0.263 | BFC2626 | 03/18/2022 11:22 | DAL |
| EPA 200.8 | Nickel | A | <0.526 | A, U | mg/kg dry | 10 | 0.526 | 0.526 | BFC2626 | 03/18/2022 11:22 | DAL |
| EPA 200.8 | Selenium | A | <0.526 | A, U | mg/kg dry | 10 | 0.526 | 2.63 | BFC2626 | 03/18/2022 11:22 | DAL |
| EPA 200.8 | Silver | A | <0.0131 | A, U | mg/kg dry | 10 | 0.0131 | 0.263 | BFC2626 | 03/18/2022 11:22 | DAL |
| EPA 200.8 | Thallium | A | <0.0131 | A, U | mg/kg dry | 10 | 0.0131 | 0.263 | BFC2626 | 03/18/2022 11:22 | DAL |
| EPA 200.8 | Zinc | A | <0.526 | U | mg/kg dry | 10 | 0.526 | 1.05 | BFC2626 | 03/18/2022 11:22 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0433 | U | mg/kg dry | 1 | 0.0433 | 0.0866 | BFC1476 | 03/11/2022 18:41 | CTC |
| EPA 350.2 | Ammonia as N | A | 42.2 | | mg/kg dry | 1 | 17.1 | 34.3 | BFC3789 | 03/29/2022 00:00 | NAZ |
| SW-9045C | pH | A | 8.58 | H | pH Units @ 25 °C | 1 | | 0.100 | BFC1138 | 03/08/2022 16:41 | EM |
| SM 2540 G | % Solids | A | 58.3 | | % | 1 | 0.100 | 0.100 | BFC1054 | 03/08/2022 11:55 | BP |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-REF-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-43RE1 | Date Collected: | 03/03/2022 9:40 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <4.16 | U | ug/kg dry | 1 | 4.16 | 8.33 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <4.16 | U | ug/kg dry | 1 | 4.16 | 8.33 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.16 | U | ug/kg dry | 1 | 4.16 | 8.33 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <16.7 | U | ug/kg dry | 1 | 16.7 | 33.3 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <4.16 | U | ug/kg dry | 1 | 4.16 | 8.33 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <4.16 | U | ug/kg dry | 1 | 4.16 | 8.33 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | 3.69 | J | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 3.09 | V, J | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-REF-S (Continued)
Lab Sample ID: 22A3944-43RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 03/03/2022 9:40
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | Chrysene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 14.1 | V | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <4.16 | U | ug/kg dry | 1 | 4.16 | 8.33 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | 2.49 | J | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 8.12 | J | ug/kg dry | 1 | 4.16 | 8.33 | BFC1525 | 04/13/2022 02:28 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/13/2022 02:28 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *81.8%* | | *60-140* | | | | | *04/13/2022 02:28* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *89.0%* | | *60-140* | | | | | *04/13/2022 02:28* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *79.7%* | | *60-140* | | | | | *04/13/2022 02:28* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *121%* | | *60-140* | | | | | *04/13/2022 02:28* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *119%* | | *60-140* | | | | | *04/13/2022 02:28* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *41.2%* | *S* | *60-140* | | | | | *04/13/2022 02:28* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | Chlordane (tech.) (Rerun) | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 04/08/2022 07:46 | CRO |
| SW-8081 | gamma-Chlordane (Rerun) | A | <0.506 | U | ug/kg dry | 10 | 0.506 | 1.69 | BFC1952 | 04/08/2022 07:46 | CRO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *70.0%* | | *60-140* | | | | | *04/08/2022 07:46* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr (Rerun)* | | *103%* | | *60-140* | | | | | *04/08/2022 07:46* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-REF-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-43RE2 | Date Collected: | 03/03/2022 9:40 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <4.16 | U | ug/kg dry | 1 | 4.16 | 8.33 | BFC1525 | 04/19/2022 03:15 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/19/2022 03:15 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <4.16 | U | ug/kg dry | 1 | 4.16 | 8.33 | BFC1525 | 04/19/2022 03:15 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/19/2022 03:15 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/19/2022 03:15 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/19/2022 03:15 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <2.08 | U | ug/kg dry | 1 | 2.08 | 4.16 | BFC1525 | 04/19/2022 03:15 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *83.5%* | | *60-140* | | | | | *04/19/2022 03:15* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *101%* | | *60-140* | | | | | *04/19/2022 03:15* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *104%* | | *60-140* | | | | | *04/19/2022 03:15* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *93.1%* | | *60-140* | | | | | *04/19/2022 03:15* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *96.3%* | | *60-140* | | | | | *04/19/2022 03:15* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *51.4%* | *S* | *60-140* | | | | | *04/19/2022 03:15* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-ODMDS-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-44 | Date Collected: | 03/03/2022 11:38 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/06/2022 02:28 | KRB |
| SW-8270 | Benzidine | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/06/2022 02:28 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *74.8%* | | *60-140* | | | | | *04/06/2022 02:28* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *99.2%* | | *60-140* | | | | | *04/06/2022 02:28* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *108%* | | *60-140* | | | | | *04/06/2022 02:28* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *107%* | | *60-140* | | | | | *04/06/2022 02:28* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *91.1%* | | *60-140* | | | | | *04/06/2022 02:28* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *65.8%* | | *60-140* | | | | | *04/06/2022 02:28* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | 4,4'-DDE | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | 4,4'-DDT | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Aldrin | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | delta-BHC | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Dieldrin | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Endosulfan I | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Endosulfan II | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Endrin | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Endrin aldehyde | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Endrin ketone | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Heptachlor | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Methoxychlor | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 03/29/2022 07:21 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <18.5 | U | ug/kg dry | 10 | 18.5 | 18.5 | BFC1952 | 03/29/2022 07:21 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *83.7%* | | *60-140* | | | | | *03/29/2022 07:21* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *97.4%* | | *60-140* | | | | | *03/29/2022 07:21* | |
| SW-8082 | PCBs, Total | A | <1.24 | U | ug/kg dry | 1 | 1.24 | 2.47 | BFC1955 | 04/02/2022 05:34 | CRO |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-ODMDS-S (Continued)
Lab Sample ID: 22A3944-44
Sample Alias:

Sample Matrix: Sediment
Date Collected: 03/03/2022 11:38
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *95.7%* | | *60-140* | | | | | *04/02/2022 05:34* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *101%* | | *60-140* | | | | | *04/02/2022 05:34* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <3.74 | U | mg/kg dry | 1 | 3.74 | 11.2 | BFC1339 | 03/11/2022 21:49 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *60.2%* | *S* | *70-130* | | | | | *03/11/2022 21:49* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *77.9%* | | *70-130* | | | | | *03/11/2022 21:49* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.268 | A, U | mg/kg dry | 10 | 0.268 | 0.538 | BFC2626 | 03/18/2022 11:24 | DAL |
| EPA 200.8 | Arsenic | A | <0.0268 | A, U | mg/kg dry | 10 | 0.0268 | 0.268 | BFC2626 | 03/18/2022 11:24 | DAL |
| EPA 200.8 | Beryllium | A | <0.00538 | A, U | mg/kg dry | 10 | 0.00538 | 0.107 | BFC2626 | 03/18/2022 11:24 | DAL |
| EPA 200.8 | Cadmium | A | <0.0268 | A, U | mg/kg dry | 10 | 0.0268 | 0.538 | BFC2626 | 03/18/2022 11:24 | DAL |
| EPA 200.8 | Chromium | A | <0.0805 | A, B, U | mg/kg dry | 10 | 0.0805 | 1.61 | BFC2626 | 03/18/2022 11:24 | DAL |
| EPA 200.8 | Copper | A | <0.107 | A, U | mg/kg dry | 10 | 0.107 | 0.538 | BFC2626 | 03/18/2022 11:24 | DAL |
| Calc | Chromium (III) | | <2.22 | U | mg/kg (dry wt) dry | 10 | 2.22 | 7.66 | [CALC] | 03/28/2022 17:48 | EM |
| SW-7196 | Chromium (VI) | A | <2.14 | U | mg/kg dry | 1 | 2.14 | 6.05 | BFC3544 | 03/28/2022 17:48 | EM |
| SW-7471B | Mercury | A | 0.00526 | J | mg/kg dry | 1 | 0.00506 | 0.0101 | BFC1656 | 03/17/2022 16:10 | KEV |
| EPA 200.8 | Lead | A | <0.0268 | A, U | mg/kg dry | 10 | 0.0268 | 0.268 | BFC2626 | 03/18/2022 11:24 | DAL |
| EPA 200.8 | Nickel | A | <0.538 | A, U | mg/kg dry | 10 | 0.538 | 0.538 | BFC2626 | 03/18/2022 11:24 | DAL |
| EPA 200.8 | Selenium | A | <0.538 | A, U | mg/kg dry | 10 | 0.538 | 2.68 | BFC2626 | 03/18/2022 11:24 | DAL |
| EPA 200.8 | Silver | A | <0.0134 | A, U | mg/kg dry | 10 | 0.0134 | 0.268 | BFC2626 | 03/18/2022 11:24 | DAL |
| EPA 200.8 | Thallium | A | <0.0134 | A, U | mg/kg dry | 10 | 0.0134 | 0.268 | BFC2626 | 03/18/2022 11:24 | DAL |
| EPA 200.8 | Zinc | A | <0.538 | U | mg/kg dry | 10 | 0.538 | 1.07 | BFC2626 | 03/18/2022 11:24 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0347 | U | mg/kg dry | 1 | 0.0347 | 0.0694 | BFC1476 | 03/11/2022 18:42 | CTC |
| EPA 350.2 | Ammonia as N | A | <12.6 | U | mg/kg dry | 1 | 12.6 | 25.2 | BFC3789 | 03/29/2022 00:00 | NAZ |
| SW-9045C | pH | A | 8.43 | H | pH Units @ 25 °C | 1 | | 0.100 | BFC1138 | 03/08/2022 16:41 | EM |
| SM 2540 G | % Solids | A | 79.2 | HR | % | 1 | 0.100 | 0.100 | BFE3293 | 05/27/2022 10:58 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-ODMDS-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-44RE1 | Date Collected: | 03/03/2022 11:38 |
| Sample Alias: | | Collected by: | Collected by Client |

### Semivolatile Organic Compounds by GCMS

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <3.12 | U | ug/kg dry | 1 | 3.12 | 6.24 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <3.12 | U | ug/kg dry | 1 | 3.12 | 6.24 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <3.12 | U | ug/kg dry | 1 | 3.12 | 6.24 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <12.5 | U | ug/kg dry | 1 | 12.5 | 25.0 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <3.12 | U | ug/kg dry | 1 | 3.12 | 6.24 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <3.12 | U | ug/kg dry | 1 | 3.12 | 6.24 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 2.49 | V, J | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-ODMDS-S (Continued)
Lab Sample ID: 22A3944-44RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 03/03/2022 11:38
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | Chrysene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 5.69 | V | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <3.12 | U | ug/kg dry | 1 | 3.12 | 6.24 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 3.20 | J | ug/kg dry | 1 | 3.12 | 6.24 | BFC1525 | 04/13/2022 03:03 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/13/2022 03:03 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *87.4%* | | *60-140* | | | | | *04/13/2022 03:03* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *92.6%* | | *60-140* | | | | | *04/13/2022 03:03* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *79.7%* | | *60-140* | | | | | *04/13/2022 03:03* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *99.8%* | | *60-140* | | | | | *04/13/2022 03:03* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *136%* | | *60-140* | | | | | *04/13/2022 03:03* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *69.8%* | | *60-140* | | | | | *04/13/2022 03:03* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | Chlordane (tech.) (Rerun) | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 04/08/2022 08:10 | CRO |
| SW-8081 | gamma-Chlordane (Rerun) | A | <0.369 | U | ug/kg dry | 10 | 0.369 | 1.23 | BFC1952 | 04/08/2022 08:10 | CRO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *85.5%* | | *60-140* | | | | | *04/08/2022 08:10* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr (Rerun)* | | *98.8%* | | *60-140* | | | | | *04/08/2022 08:10* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-ODMDS-S
Lab Sample ID: 22A3944-44RE2
Sample Alias:

Sample Matrix: Sediment
Date Collected: 03/03/2022 11:38
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <3.12 | U | ug/kg dry | 1 | 3.12 | 6.24 | BFC1525 | 04/19/2022 03:50 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/19/2022 03:50 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <3.12 | U | ug/kg dry | 1 | 3.12 | 6.24 | BFC1525 | 04/19/2022 03:50 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/19/2022 03:50 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/19/2022 03:50 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/19/2022 03:50 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BFC1525 | 04/19/2022 03:50 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *82.6%* | | *60-140* | | | | | *04/19/2022 03:50* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *97.5%* | | *60-140* | | | | | *04/19/2022 03:50* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *99.2%* | | *60-140* | | | | | *04/19/2022 03:50* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *94.2%* | | *60-140* | | | | | *04/19/2022 03:50* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *94.5%* | | *60-140* | | | | | *04/19/2022 03:50* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *79.8%* | | *60-140* | | | | | *04/19/2022 03:50* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-S
Lab Sample ID: 22A3944-45
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/11/2022 13:10
Collected by: Collected by Client

### Semivolatile Organic Compounds by GCMS

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-8270 | 1,2,4-Trichlorobenzene | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.68 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 2,4-Dimethylphenol | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.68 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 2,4-Dinitrophenol | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.68 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 2-Chloronaphthalene | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | A | <11.4 | U | ug/kg dry | 1 | 11.4 | 22.7 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 2-Nitrophenol | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.68 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.68 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | 4-Nitrophenol | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Butyl benzyl phthalate | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Diethyl phthalate | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Dimethyl phthalate | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <1.42 | B, U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Hexachlorobenzene | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Hexachlorobutadiene | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Hexachlorocyclopentadiene | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Hexachloroethane | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Isophorone | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Nitrobenzene | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | n-Nitrosodimethylamine | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Pentachlorophenol | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.68 | BFB3398 | 03/05/2022 04:54 | KRB |
| SW-8270 | Phenol, Total | A | 7.66 | | ug/kg dry | 1 | 2.84 | 5.68 | BFB3398 | 03/05/2022 04:54 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-S (Continued)
Lab Sample ID: 22A3944-45
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/11/2022 13:10
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *104%* | | *60-140* | | | | | *03/05/2022 04:54* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *85.5%* | | *60-140* | | | | | *03/05/2022 04:54* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *78.6%* | | *60-140* | | | | | *03/05/2022 04:54* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *63.6%* | | *60-140* | | | | | *03/05/2022 04:54* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *92.1%* | | *60-140* | | | | | *03/05/2022 04:54* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *73.1%* | | *60-140* | | | | | *03/05/2022 04:54* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | 4,4'-DDE | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | 4,4'-DDT | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Aldrin | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Chlordane (tech.) | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | delta-BHC | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Dieldrin | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Endosulfan I | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Endosulfan II | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Endosulfan sulfate | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Endrin | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Endrin aldehyde | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Endrin ketone | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | gamma-Chlordane | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Heptachlor | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Heptachlor epoxide | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Methoxychlor | A | <0.332 | U | ug/kg dry | 10 | 0.332 | 1.11 | BFB3474 | 03/05/2022 15:42 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <16.6 | U | ug/kg dry | 10 | 16.6 | 16.6 | BFB3474 | 03/05/2022 15:42 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *111%* | | *60-140* | | | | | *03/05/2022 15:42* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *115%* | | *60-140* | | | | | *03/05/2022 15:42* | |
| SW-8082 | PCBs, Total | A | <1.10 | U | ug/kg dry | 1 | 1.10 | 2.20 | BFC0070 | 03/06/2022 01:15 | SO |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-S (Continued)
Lab Sample ID: 22A3944-45
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/11/2022 13:10
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *80.6%* | | *60-140* | | | | | *03/06/2022 01:15* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *76.7%* | | *60-140* | | | | | *03/06/2022 01:15* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | 3.61 | V, J | mg/kg dry | 1 | 3.50 | 10.5 | BFB3309 | 02/28/2022 19:11 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *76.5%* | | *70-130* | | | | | *02/28/2022 19:11* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *101%* | | *70-130* | | | | | *02/28/2022 19:11* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.341 | A, U | mg/kg dry | 10 | 0.341 | 0.684 | BFB2873 | 02/22/2022 12:52 | DAL |
| EPA 200.8 | Arsenic | A | 1.21 | | mg/kg dry | 10 | 0.0341 | 0.341 | BFB2873 | 02/22/2022 12:52 | DAL |
| EPA 200.8 | Beryllium | A | 0.190 | | mg/kg dry | 10 | 0.00684 | 0.136 | BFB2873 | 02/22/2022 14:20 | DAL |
| EPA 200.8 | Cadmium | A | 0.0720 | J | mg/kg dry | 10 | 0.0341 | 0.684 | BFB2873 | 02/22/2022 12:52 | DAL |
| EPA 200.8 | Chromium | A | 5.47 | | mg/kg dry | 10 | 0.102 | 2.05 | BFB2873 | 02/22/2022 12:52 | DAL |
| EPA 200.8 | Copper | A | 3.72 | | mg/kg dry | 10 | 0.136 | 0.684 | BFB2873 | 02/22/2022 12:52 | DAL |
| Calc | Chromium (III) | | 5.47 | J | mg/kg (dry wt) dry | 10 | 2.22 | 8.03 | [CALC] | 03/09/2022 20:27 | CTC |
| SW-7196 | Chromium (VI) | A | <2.12 | U | mg/kg dry | 1 | 2.12 | 5.98 | BFB3694 | 03/09/2022 20:27 | CTC |
| SW-7471B | Mercury | A | <0.00500 | U | mg/kg dry | 1 | 0.00500 | 0.0100 | BFB2900 | 02/23/2022 13:49 | KEV |
| EPA 200.8 | Lead | A | 4.38 | | mg/kg dry | 10 | 0.0341 | 0.341 | BFB2873 | 02/22/2022 12:52 | DAL |
| EPA 200.8 | Nickel | A | 3.47 | | mg/kg dry | 10 | 0.684 | 0.684 | BFB2873 | 02/22/2022 12:52 | DAL |
| EPA 200.8 | Selenium | A | <0.684 | A, U | mg/kg dry | 10 | 0.684 | 3.41 | BFB2873 | 02/22/2022 12:52 | DAL |
| EPA 200.8 | Silver | A | <0.0171 | A, B, U | mg/kg dry | 10 | 0.0171 | 0.341 | BFB2873 | 02/22/2022 12:52 | DAL |
| EPA 200.8 | Thallium | A | 0.0595 | J | mg/kg dry | 10 | 0.0171 | 0.341 | BFB2873 | 02/22/2022 12:52 | DAL |
| EPA 200.8 | Zinc | A | 16.8 | B | mg/kg dry | 10 | 0.684 | 1.36 | BFB2873 | 02/22/2022 12:52 | DAL |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0298 | U | mg/kg dry | 1 | 0.0298 | 0.0596 | BFB3287 | 02/25/2022 17:53 | CTC |
| EPA 350.2 | Ammonia as N | A | <11.5 | U | mg/kg dry | 1 | 11.5 | 23.1 | BFC0772 | 03/08/2022 10:46 | NAZ |
| SW-9045C | pH | A | 8.67 | H | pH Units @ 25 °C | 1 | | 0.100 | BFB3066 | 02/23/2022 12:25 | EM |
| SM 2540 G | % Solids | A | 85.7 | | % | 1 | 0.100 | 0.100 | BFB2600 | 02/21/2022 10:45 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-S
Lab Sample ID: 22A3944-45RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 02/11/2022 13:10
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.68 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.68 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | 1.99 | J | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.42 | CQb, U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/12/2022 02:16 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *69.3%* | | *60-140* | | | | | *03/12/2022 02:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *81.8%* | | *60-140* | | | | | *03/12/2022 02:16* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *66.9%* | | *60-140* | | | | | *03/12/2022 02:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *83.3%* | | *60-140* | | | | | *03/12/2022 02:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *88.5%* | | *60-140* | | | | | *03/12/2022 02:16* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *62.4%* | | *60-140* | | | | | *03/12/2022 02:16* | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-DUP-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 22A3944-45RE2 | Date Collected: | 02/11/2022 13:10 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/31/2022 08:51 | KRB |
| SW-8270 | Benzidine (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BFB3398 | 03/31/2022 08:51 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *82.6%* | | *60-140* | | | | | *03/31/2022 08:51* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *80.6%* | | *60-140* | | | | | *03/31/2022 08:51* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *79.5%* | | *60-140* | | | | | *03/31/2022 08:51* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *108%* | | *60-140* | | | | | *03/31/2022 08:51* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *88.6%* | | *60-140* | | | | | *03/31/2022 08:51* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *66.3%* | | *60-140* | | | | | *03/31/2022 08:51* | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-DUP-E | Sample Matrix: | Elutriate |
| Lab Sample ID: | 22A3944-47 | Date Collected: | 02/28/2022 14:00 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/01/2022 00:30 | KRB |
| SW-8270 | Benzidine | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/01/2022 00:30 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *73.3%* | | *54.6-148* | | | | | *04/01/2022 00:30* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *77.4%* | | *55-152* | | | | | *04/01/2022 00:30* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *38.9%* | *S* | *52.4-136* | | | | | *04/01/2022 00:30* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *80.2%* | | *52-162* | | | | | *04/01/2022 00:30* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *67.0%* | | *58.7-152* | | | | | *04/01/2022 00:30* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *55.6%* | | *51.9-147* | | | | | *04/01/2022 00:30* | |
| **Elutriate Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.120 | BFC0779 | 03/09/2022 03:24 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *85.0%* | | *60-140* | | | | | *03/09/2022 03:24* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *75.1%* | | *60-140* | | | | | *03/09/2022 03:24* | |
| TX 1005 | Total Petroleum Hydrocarbons (TPH), C6-C35 | A | <0.453 | U | mg/L | 1 | 0.453 | 4.53 | BFC1098 | 03/11/2022 11:38 | CRO |
| *TX 1005* | *Surrogate: 1-Chlorooctadecane-surr* | | *65.1%* | *S* | *70-130* | | | | | *03/11/2022 11:38* | |
| *TX 1005* | *Surrogate: 1-Chlorooctane-surr* | | *87.7%* | | *70-130* | | | | | *03/11/2022 11:38* | |
| **Elutriate Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <2.00 | A, U | ug/L | 10 | 2.00 | 10.0 | BFC0948 | 03/07/2022 16:13 | DAL |
| EPA 200.8 | Arsenic | A | 5.49 | | ug/L | 10 | 1.00 | 5.00 | BFC0948 | 03/07/2022 16:13 | DAL |
| EPA 200.8 | Beryllium | A | <0.100 | A, U | ug/L | 10 | 0.100 | 2.00 | BFC0948 | 03/08/2022 10:52 | DAL |
| EPA 200.8 | Cadmium | A | <0.500 | A, U | ug/L | 10 | 0.500 | 10.0 | BFC0948 | 03/07/2022 16:13 | DAL |
| EPA 200.8 | Chromium | A | <0.800 | A, U | ug/L | 10 | 0.800 | 30.0 | BFC0948 | 03/07/2022 16:13 | DAL |
| EPA 200.8 | Copper | A | <2.00 | A, B, U | ug/L | 10 | 2.00 | 10.0 | BFC0948 | 03/07/2022 16:13 | DAL |
| Calc | Chromium (III) | | <2.30 | U | ug/L | 10 | 2.30 | 33.0 | [CALC] | 03/09/2022 19:16 | EM |
| SM 3500-Cr B | Chromium (VI) | A | 0.0245 | V | mg/L | 1 | 0.00150 | 0.00300 | BFC1350 | 03/09/2022 19:16 | EM |
| EPA 200.8 | Lead | A | <1.00 | A, U | ug/L | 10 | 1.00 | 5.00 | BFC0948 | 03/07/2022 16:13 | DAL |
| EPA 200.8 | Nickel | A | 2.09 | V, J | ug/L | 10 | 0.500 | 10.0 | BFC0948 | 03/07/2022 16:13 | DAL |
| EPA 200.8 | Silver | A | <0.300 | A, U | ug/L | 10 | 0.300 | 5.00 | BFC0948 | 03/07/2022 16:13 | DAL |
| EPA 200.8 | Thallium | A | <0.300 | A, U | ug/L | 10 | 0.300 | 5.00 | BFC0948 | 03/07/2022 16:13 | DAL |
| EPA 200.8 | Zinc | A | <2.00 | A, B, U | ug/L | 10 | 2.00 | 20.0 | BFC0948 | 03/08/2022 10:52 | DAL |
| **Elutriate Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BFC0003 | 03/08/2022 12:46 | KEV |
| EPA 200.8 | Selenium | A | <3.30 | A, U | ug/L | 10 | 3.30 | 50.0 | BFC0947 | 03/07/2022 15:47 | DAL |
| **Elutriate General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.915 | | mg/L | 1 | 0.0200 | 0.0500 | BFC2072 | 03/16/2022 09:05 | JLK |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 2.00 | B1, V | mg/L | 1 | 1.00 | 1.00 | BFC0770 | 03/04/2022 14:47 | TEJ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-DUP-E | Sample Matrix: | Elutriate |
| Lab Sample ID: | 22A3944-47RE1 | Date Collected: | 02/28/2022 14:00 |
| Sample Alias: | | Collected by: | Collected by Client |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <0.551 | U | ug/L | 1 | 0.551 | 1.11 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.551 | U | ug/L | 1 | 0.551 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.551 | U | ug/L | 1 | 0.551 | 1.11 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.43 | U | ug/L | 1 | 4.43 | 4.43 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.551 | U | ug/L | 1 | 0.551 | 1.11 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.551 | U | ug/L | 1 | 0.551 | 1.11 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.551 | U | ug/L | 1 | 0.551 | 1.11 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.551 | U | ug/L | 1 | 0.551 | 1.11 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.43 | U | ug/L | 1 | 4.43 | 4.43 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.553 | U | ug/L | 1 | 0.553 | 1.11 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-E (Continued)
Lab Sample ID: 22A3944-47RE1
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/28/2022 14:00
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 0.385 | CQd, V, J | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 1.61 | CQd, V | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 2.21 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.551 | U | ug/L | 1 | 0.551 | 1.11 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.889 | J | ug/L | 1 | 0.551 | 1.11 | BFC1100 | 04/12/2022 02:52 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.276 | U | ug/L | 1 | 0.276 | 0.553 | BFC1100 | 04/12/2022 02:52 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *73.5%* | | *54.6-148* | | | | | *04/12/2022 02:52* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *91.1%* | | *55-152* | | | | | *04/12/2022 02:52* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *74.9%* | | *52.4-136* | | | | | *04/12/2022 02:52* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *85.8%* | | *52-162* | | | | | *04/12/2022 02:52* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *107%* | | *58.7-152* | | | | | *04/12/2022 02:52* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *81.2%* | | *51.9-147* | | | | | *04/12/2022 02:52* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-E (Continued)
Lab Sample ID: 22A3944-47RE1
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 02/28/2022 14:00
Collected by: Collected by Client

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD (Rerun) | A | <0.00599 | CQ, U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | 4,4'-DDE (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | 4,4'-DDT (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Aldrin (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) (Rerun) | A | <0.00599 | CQ, U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Chlordane (tech.) (Rerun) | A | <0.00599 | CQe, U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | cis-Chlordane (alpha-Chlordane) (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | delta-BHC (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Dieldrin (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Endosulfan I (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Endosulfan II (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Endosulfan sulfate (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Endrin (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Endrin aldehyde (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Endrin ketone (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | gamma-Chlordane (Rerun) | A | <0.00599 | CQ, U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Heptachlor (Rerun) | A | <0.00599 | CQe, U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Heptachlor epoxide (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Methoxychlor (Rerun) | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.00599 | BFC1112 | 03/22/2022 02:49 | SO |
| SW-8081 | Toxaphene (Chlorinated Camphene) (Rerun) | A | <0.300 | U | ug/L | 1 | 0.300 | 0.300 | BFC1112 | 03/22/2022 02:49 | SO |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *135%* | | *60-140* | | | | | *03/22/2022 02:49* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr (Rerun)* | | *107%* | | *60-140* | | | | | *03/22/2022 02:49* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control

## Semivolatile Organic Compounds by GCMS

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511*** | | | | | | | | | | |
| **Blank (BFB2791-BLK1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,2-Diphenylhydrazine | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,4,6-Trichlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.48 | U | 4.48 | ug/L | | | | | | |
| 2-Chloronaphthalene | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2-Chlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Nitrophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 4-Chloro-3-methylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Chlorophenyl phenylether | <0.561 | U | 0.561 | ug/L | | | | | | |
| 4-Nitrophenol | <4.48 | U | 4.48 | ug/L | | | | | | |
| Acenaphthene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Acenaphthylene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.561 | U | 0.561 | ug/L | | | | | | |
| bis(2-Chloroethoxy)methane | <0.561 | U | 0.561 | ug/L | | | | | | |
| Bis(2-ethylhexyl )phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Butyl benzyl phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Chrysene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Diethyl phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Dimethyl phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Di-n-butyl phthalate | 2.26 | | 0.561 | ug/L | | | | | | |
| Di-n-octyl phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Fluoranthene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Fluorene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachlorobenzene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachlorocyclopentadiene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachloroethane | <0.561 | U | 0.561 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFB2791-BLK1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| Isophorone | <0.561 | U | 0.561 | ug/L | | | | | | |
| Naphthalene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Nitrobenzene | <0.561 | U | 0.561 | ug/L | | | | | | |
| n-Nitrosodimethylamine | <2.24 | U | 2.24 | ug/L | | | | | | |
| n-Nitrosodi-n-propylamine | <0.561 | U | 0.561 | ug/L | | | | | | |
| n-Nitrosodiphenylamine | <0.561 | U | 0.561 | ug/L | | | | | | |
| Pentachlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| Phenanthrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Phenol, Total | <1.12 | U | 1.12 | ug/L | | | | | | |
| Pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.5* | *ug/L* | *9.97* | | *105* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.1* | *ug/L* | *19.9* | | *111* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.1* | *ug/L* | *19.9* | | *101* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.89* | *ug/L* | *9.97* | | *99.2* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.9* | *ug/L* | *19.9* | | *105* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *12.1* | *ug/L* | *9.97* | | *122* | *51.9-147* | | |
| **Blank (BFB2791-BLK2)** | | | | | Prepared: 2/21/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <0.561 | U | 0.561 | ug/L | | | | | | |
| bis(2-Chloroethyl) ether | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.561 | U | 0.561 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.40* | *ug/L* | *9.97* | | *94.3* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.8* | *ug/L* | *19.9* | | *110* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.6* | *ug/L* | *19.9* | | *93.3* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.9* | *ug/L* | *9.97* | | *120* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.5* | *ug/L* | *19.9* | | *138* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.0* | *ug/L* | *9.97* | | *100* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFB2791-BLK3)** | | | | | Prepared: 2/21/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzidine | <0.561 | U | 0.561 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *8.91* | *ug/L* | *9.97* | | *89.4* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.0* | *ug/L* | *19.9* | | *100* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.4* | *ug/L* | *19.9* | | *87.5* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.2* | *ug/L* | *9.97* | | *102* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.2* | *ug/L* | *19.9* | | *112* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.46* | *ug/L* | *9.97* | | *94.9* | *51.9-147* | | |
| **LCS (BFB2791-BS1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 8.36 | | 0.560 | ug/L | 9.96 | | 84.0 | 22.3-156 | | |
| Benzidine | 6.48 | | 0.560 | ug/L | 9.96 | | 65.1 | 9.32-162 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *8.54* | *ug/L* | *9.96* | | *85.7* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *18.8* | *ug/L* | *19.9* | | *94.4* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *13.2* | *ug/L* | *19.9* | | *66.5* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.97* | *ug/L* | *9.96* | | *100* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *21.1* | *ug/L* | *19.9* | | *106* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.83* | *ug/L* | *9.96* | | *88.7* | *51.9-147* | | |
| **LCS (BFB2791-BS2)** | | | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 8.40 | | 0.558 | ug/L | 9.92 | | 84.6 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 7.58 | | 0.558 | ug/L | 9.92 | | 76.4 | 60-140 | | |
| 1,2-Diphenylhydrazine | 7.17 | | 0.558 | ug/L | 9.92 | | 72.3 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 9.52 | | 0.558 | ug/L | 9.92 | | 95.9 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 9.81 | | 0.558 | ug/L | 9.92 | | 98.9 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 9.84 | | 0.558 | ug/L | 9.92 | | 99.1 | 60-140 | | |
| 2,4,6-Trichlorophenol | 14.0 | | 1.12 | ug/L | 19.8 | | 70.7 | 60-140 | | |
| 2,4-Dichlorophenol | 25.6 | | 0.558 | ug/L | 19.8 | | 129 | 60-140 | | |
| 2,4-Dimethylphenol | 20.5 | | 1.12 | ug/L | 19.8 | | 103 | 35.9-153 | | |
| 2,4-Dinitrophenol | 42.5 | | 4.46 | ug/L | 49.6 | | 85.7 | 60-140 | | |
| 2-Chloronaphthalene | 8.37 | | 0.558 | ug/L | 9.92 | | 84.3 | 60-140 | | |
| 2-Chlorophenol | 22.1 | | 1.12 | ug/L | 19.8 | | 112 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 14.8 | | 1.12 | ug/L | 19.8 | | 74.5 | 60-140 | | |
| 2-Nitrophenol | 19.1 | | 1.12 | ug/L | 19.8 | | 96.0 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 7.38 | | 0.558 | ug/L | 9.92 | | 74.4 | 60-140 | | |
| 4-Chloro-3-methylphenol | 21.8 | | 1.12 | ug/L | 19.8 | | 110 | 60-140 | | |
| 4-Chlorophenyl phenylether | 8.00 | | 0.558 | ug/L | 9.92 | | 80.7 | 60-140 | | |
| 4-Nitrophenol | 40.6 | | 4.46 | ug/L | 49.6 | | 81.8 | 60-140 | | |
| Acenaphthene | 7.77 | | 0.558 | ug/L | 9.92 | | 78.3 | 60-140 | | |
| Acenaphthylene | 8.07 | | 0.558 | ug/L | 9.92 | | 81.3 | 60-140 | | |
| Anthracene | 9.81 | | 0.558 | ug/L | 9.92 | | 98.9 | 60-140 | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFB2791-BS2)** | | | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| Benzo(a)anthracene | 6.46 | | 0.558 | ug/L | 9.92 | | 65.1 | 60-140 | | |
| Benzo(a)pyrene | 8.24 | | 0.558 | ug/L | 9.92 | | 83.0 | 60-140 | | |
| benzo(b&k)fluoranthene | 16.2 | | 0.558 | ug/L | 19.8 | | 81.8 | 60-140 | | |
| Benzo(g,h,i)perylene | 9.02 | | 0.558 | ug/L | 9.92 | | 91.0 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 9.33 | | 0.558 | ug/L | 9.92 | | 94.1 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 10.6 | | 0.558 | ug/L | 9.92 | | 107 | 60-140 | | |
| Butyl benzyl phthalate | 10.1 | | 0.558 | ug/L | 9.92 | | 102 | 60-140 | | |
| Chrysene | 9.87 | | 0.558 | ug/L | 9.92 | | 99.5 | 60-140 | | |
| Dibenzo(a,h)anthracene | 8.14 | | 0.558 | ug/L | 9.92 | | 82.0 | 60-140 | | |
| Diethyl phthalate | 10.9 | | 0.558 | ug/L | 9.92 | | 110 | 60-140 | | |
| Dimethyl phthalate | 7.91 | | 0.558 | ug/L | 9.92 | | 79.8 | 60-140 | | |
| Di-n-butyl phthalate | 12.4 | | 0.558 | ug/L | 9.92 | | 125 | 60-140 | | |
| Di-n-octyl phthalate | 9.48 | | 0.558 | ug/L | 9.92 | | 95.6 | 60-140 | | |
| Fluoranthene | 9.34 | | 0.558 | ug/L | 9.92 | | 94.1 | 60-140 | | |
| Fluorene | 9.11 | | 0.558 | ug/L | 9.92 | | 91.8 | 60-140 | | |
| Hexachlorobenzene | 8.58 | | 0.558 | ug/L | 9.92 | | 86.4 | 60-140 | | |
| Hexachlorobutadiene | 5.66 | J1 | 0.558 | ug/L | 9.92 | | 57.1 | 60-140 | | |
| Hexachlorocyclopentadiene | 6.64 | | 0.558 | ug/L | 9.92 | | 66.9 | 60-140 | | |
| Hexachloroethane | 6.96 | | 0.558 | ug/L | 9.92 | | 70.2 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 8.57 | | 0.558 | ug/L | 9.92 | | 86.3 | 60-140 | | |
| Isophorone | 10.4 | | 0.558 | ug/L | 9.92 | | 105 | 60-140 | | |
| Naphthalene | 9.61 | | 0.558 | ug/L | 9.92 | | 96.8 | 60-140 | | |
| Nitrobenzene | 9.49 | | 0.558 | ug/L | 9.92 | | 95.6 | 60-140 | | |
| n-Nitrosodimethylamine | 1.46 | J | 2.23 | ug/L | 49.6 | | 2.95 | 2.5-65.7 | | |
| n-Nitrosodi-n-propylamine | 9.95 | | 0.558 | ug/L | 9.92 | | 100 | 60-140 | | |
| n-Nitrosodiphenylamine | 7.74 | | 0.558 | ug/L | 9.92 | | 78.0 | 60-140 | | |
| Pentachlorophenol | 16.0 | | 1.12 | ug/L | 19.8 | | 80.5 | 36.8-149 | | |
| Phenanthrene | 8.49 | | 0.558 | ug/L | 9.92 | | 85.6 | 60-140 | | |
| Phenol, Total | 20.6 | | 1.12 | ug/L | 19.8 | | 104 | 60-140 | | |
| Pyrene | 9.44 | | 0.558 | ug/L | 9.92 | | 95.1 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.5* | *ug/L* | *9.92* | | *106* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.2* | *ug/L* | *19.8* | | *117* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *21.5* | *ug/L* | *19.8* | | *108* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.95* | *ug/L* | *9.92* | | *100* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.2* | *ug/L* | *19.8* | | *102* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.4* | *ug/L* | *9.92* | | *105* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFB2791-BS3)** | | | | | Prepared: 2/21/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 9.52 | | 0.558 | ug/L | 9.92 | | 96.0 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 8.85 | | 0.558 | ug/L | 9.92 | | 89.2 | 60-140 | | |
| bis(2-Chloroethyl) ether | 10.6 | | 0.558 | ug/L | 9.92 | | 106 | 60-140 | | |
| Hexachlorobutadiene | 5.30 | J1 | 0.558 | ug/L | 9.92 | | 53.4 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.3* | *ug/L* | *9.92* | | *104* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.8* | *ug/L* | *19.8* | | *115* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *22.4* | *ug/L* | *19.8* | | *113* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.9* | *ug/L* | *9.92* | | *120* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *30.5* | *ug/L* | *19.8* | | *154* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.83* | *ug/L* | *9.92* | | *99.1* | *51.9-147* | | |
| **LCS Dup (BFB2791-BSD1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 8.34 | | 0.560 | ug/L | 9.95 | | 83.8 | 22.3-156 | 0.265 | 40 |
| Benzidine | 6.81 | | 0.560 | ug/L | 9.95 | | 68.4 | 9.32-162 | 4.95 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *8.88* | *ug/L* | *9.95* | | *89.3* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *19.8* | *ug/L* | *19.9* | | *99.6* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *14.0* | *ug/L* | *19.9* | | *70.4* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.8* | *ug/L* | *9.95* | | *109* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.4* | *ug/L* | *19.9* | | *113* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.77* | *ug/L* | *9.95* | | *98.3* | *51.9-147* | | |
| **LCS Dup (BFB2791-BSD2)** | | | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 9.42 | | 0.556 | ug/L | 9.88 | | 95.3 | 60-140 | 11.5 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.89 | | 0.556 | ug/L | 9.88 | | 89.9 | 60-140 | 15.9 | 40 |
| 1,2-Diphenylhydrazine | 6.85 | | 0.556 | ug/L | 9.88 | | 69.3 | 60-140 | 4.57 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 8.49 | | 0.556 | ug/L | 9.88 | | 85.9 | 60-140 | 11.4 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.87 | | 0.556 | ug/L | 9.88 | | 79.6 | 60-140 | 22.0 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 9.76 | | 0.556 | ug/L | 9.88 | | 98.8 | 60-140 | 0.753 | 40 |
| 2,4,6-Trichlorophenol | 14.9 | | 1.11 | ug/L | 19.8 | | 75.2 | 60-140 | 5.81 | 40 |
| 2,4-Dichlorophenol | 18.8 | | 0.556 | ug/L | 19.8 | | 95.1 | 60-140 | 30.8 | 40 |
| 2,4-Dimethylphenol | 23.6 | | 1.11 | ug/L | 19.8 | | 119 | 35.9-153 | 14.0 | 40 |
| 2,4-Dinitrophenol | 47.8 | | 4.45 | ug/L | 49.4 | | 96.7 | 60-140 | 11.7 | 40 |
| 2-Chloronaphthalene | 8.35 | | 0.556 | ug/L | 9.88 | | 84.5 | 60-140 | 0.159 | 40 |
| 2-Chlorophenol | 19.8 | | 1.11 | ug/L | 19.8 | | 100 | 60-140 | 11.3 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 15.6 | | 1.11 | ug/L | 19.8 | | 78.8 | 60-140 | 5.22 | 40 |
| 2-Nitrophenol | 20.1 | | 1.11 | ug/L | 19.8 | | 102 | 60-140 | 5.34 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 7.31 | | 0.556 | ug/L | 9.88 | | 74.0 | 60-140 | 0.970 | 40 |
| 4-Chloro-3-methylphenol | 21.0 | | 1.11 | ug/L | 19.8 | | 106 | 60-140 | 3.69 | 40 |
| 4-Chlorophenyl phenylether | 8.16 | | 0.556 | ug/L | 9.88 | | 82.5 | 60-140 | 1.89 | 40 |
| 4-Nitrophenol | 39.4 | | 4.45 | ug/L | 49.4 | | 79.8 | 60-140 | 2.80 | 40 |
| Acenaphthene | 8.43 | | 0.556 | ug/L | 9.88 | | 85.3 | 60-140 | 8.16 | 40 |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB2791-BSD2)** | | | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| Acenaphthylene | 8.18 | | 0.556 | ug/L | 9.88 | | 82.8 | 60-140 | 1.42 | 40 |
| Anthracene | 10.9 | | 0.556 | ug/L | 9.88 | | 111 | 60-140 | 10.9 | 40 |
| Benzo(a)anthracene | 8.13 | | 0.556 | ug/L | 9.88 | | 82.3 | 60-140 | 23.0 | 40 |
| Benzo(a)pyrene | 8.01 | | 0.556 | ug/L | 9.88 | | 81.0 | 60-140 | 2.88 | 40 |
| benzo(b&k)fluoranthene | 16.9 | | 0.556 | ug/L | 19.8 | | 85.4 | 60-140 | 3.89 | 40 |
| Benzo(g,h,i)perylene | 8.75 | | 0.556 | ug/L | 9.88 | | 88.5 | 60-140 | 3.10 | 40 |
| bis(2-Chloroethoxy)methane | 9.08 | | 0.556 | ug/L | 9.88 | | 91.8 | 60-140 | 2.79 | 40 |
| Bis(2-ethylhexyl )phthalate | 11.9 | | 0.556 | ug/L | 9.88 | | 120 | 60-140 | 11.3 | 40 |
| Butyl benzyl phthalate | 10.5 | | 0.556 | ug/L | 9.88 | | 107 | 60-140 | 4.21 | 40 |
| Chrysene | 9.93 | | 0.556 | ug/L | 9.88 | | 101 | 60-140 | 0.685 | 40 |
| Dibenzo(a,h)anthracene | 8.26 | | 0.556 | ug/L | 9.88 | | 83.5 | 60-140 | 1.43 | 40 |
| Diethyl phthalate | 10.4 | | 0.556 | ug/L | 9.88 | | 105 | 60-140 | 4.87 | 40 |
| Dimethyl phthalate | 7.81 | | 0.556 | ug/L | 9.88 | | 79.0 | 60-140 | 1.30 | 40 |
| Di-n-butyl phthalate | 14.5 | J1 | 0.556 | ug/L | 9.88 | | 147 | 60-140 | 15.4 | 40 |
| Di-n-octyl phthalate | 10.1 | | 0.556 | ug/L | 9.88 | | 103 | 60-140 | 6.64 | 40 |
| Fluoranthene | 10.8 | | 0.556 | ug/L | 9.88 | | 109 | 60-140 | 14.7 | 40 |
| Fluorene | 8.52 | | 0.556 | ug/L | 9.88 | | 86.2 | 60-140 | 6.60 | 40 |
| Hexachlorobenzene | 8.36 | | 0.556 | ug/L | 9.88 | | 84.5 | 60-140 | 2.59 | 40 |
| Hexachlorobutadiene | 5.86 | J1 | 0.556 | ug/L | 9.88 | | 59.3 | 60-140 | 3.47 | 40 |
| Hexachlorocyclopentadiene | 8.23 | | 0.556 | ug/L | 9.88 | | 83.3 | 60-140 | 21.4 | 40 |
| Hexachloroethane | 6.59 | | 0.556 | ug/L | 9.88 | | 66.7 | 60-140 | 5.46 | 40 |
| Indeno(1,2,3-cd) pyrene | 8.23 | | 0.556 | ug/L | 9.88 | | 83.3 | 60-140 | 3.95 | 40 |
| Isophorone | 10.2 | | 0.556 | ug/L | 9.88 | | 103 | 60-140 | 2.52 | 40 |
| Naphthalene | 8.97 | | 0.556 | ug/L | 9.88 | | 90.8 | 60-140 | 6.80 | 40 |
| Nitrobenzene | 8.72 | | 0.556 | ug/L | 9.88 | | 88.2 | 60-140 | 8.45 | 40 |
| n-Nitrosodimethylamine | 2.36 | J1 | 2.22 | ug/L | 49.4 | | 4.77 | 2.5-65.7 | 46.6 | 40 |
| n-Nitrosodi-n-propylamine | 10.3 | | 0.556 | ug/L | 9.88 | | 105 | 60-140 | 3.94 | 40 |
| n-Nitrosodiphenylamine | 4.61 | J1 | 0.556 | ug/L | 9.88 | | 46.7 | 60-140 | 50.7 | 40 |
| Pentachlorophenol | 17.9 | | 1.11 | ug/L | 19.8 | | 90.7 | 36.8-149 | 11.5 | 40 |
| Phenanthrene | 8.58 | | 0.556 | ug/L | 9.88 | | 86.8 | 60-140 | 1.06 | 40 |
| Phenol, Total | 16.8 | | 1.11 | ug/L | 19.8 | | 85.2 | 60-140 | 20.1 | 40 |
| Pyrene | 9.52 | | 0.556 | ug/L | 9.88 | | 96.4 | 60-140 | 0.914 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.6* | *ug/L* | *9.88* | | *107* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.4* | *ug/L* | *19.8* | | *114* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.7* | *ug/L* | *19.8* | | *94.8* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.4* | *ug/L* | *9.88* | | *105* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.7* | *ug/L* | *19.8* | | *115* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.0* | *ug/L* | *9.88* | | *102* | *51.9-147* | | |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB2791-BSD3)** | | | | | Prepared: 2/21/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 9.38 | | 0.556 | ug/L | 9.88 | | 94.9 | 60-140 | 1.46 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 8.36 | | 0.556 | ug/L | 9.88 | | 84.6 | 60-140 | 5.69 | 40 |
| bis(2-Chloroethyl) ether | 10.9 | | 0.556 | ug/L | 9.88 | | 110 | 60-140 | 3.37 | 40 |
| Hexachlorobutadiene | 5.66 | J1 | 0.556 | ug/L | 9.88 | | 57.3 | 60-140 | 6.59 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.3* | *ug/L* | *9.88* | | *104* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.5* | *ug/L* | *19.8* | | *114* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *22.9* | *ug/L* | *19.8* | | *116* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.6* | *ug/L* | *9.88* | | *117* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *30.7* | *ug/L* | *19.8* | | *155* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.58* | *ug/L* | *9.88* | | *97.0* | *51.9-147* | | |
| **BFB1944-BLK1 (BFB2791-LBK1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.554 | U | 0.554 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.554 | U | 0.554 | ug/L | | | | | | |
| 1,2-Diphenylhydrazine | <0.554 | U | 0.554 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.554 | U | 0.554 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.554 | U | 0.554 | ug/L | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <0.554 | U | 0.554 | ug/L | | | | | | |
| 2,4,6-Trichlorophenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.554 | U | 0.554 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.43 | U | 4.43 | ug/L | | | | | | |
| 2-Chloronaphthalene | <0.554 | U | 0.554 | ug/L | | | | | | |
| 2-Chlorophenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <1.11 | U | 1.11 | ug/L | | | | | | |
| 2-Nitrophenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <0.554 | U | 0.554 | ug/L | | | | | | |
| 4-Chloro-3-methylphenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 4-Chlorophenyl phenylether | <0.554 | U | 0.554 | ug/L | | | | | | |
| 4-Nitrophenol | <4.43 | U | 4.43 | ug/L | | | | | | |
| Acenaphthene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Acenaphthylene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Anthracene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.554 | U | 0.554 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.554 | U | 0.554 | ug/L | | | | | | |
| bis(2-Chloroethoxy)methane | <0.554 | U | 0.554 | ug/L | | | | | | |
| Bis(2-ethylhexyl )phthalate | <0.554 | U | 0.554 | ug/L | | | | | | |
| Butyl benzyl phthalate | <0.554 | U | 0.554 | ug/L | | | | | | |
| Chrysene | <0.554 | U | 0.554 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFB1944-BLK1 (BFB2791-LBK1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/4/2022 | | | | | |
| Dibenzo(a,h)anthracene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Diethyl phthalate | <0.554 | U | 0.554 | ug/L | | | | | | |
| Dimethyl phthalate | <0.554 | U | 0.554 | ug/L | | | | | | |
| Di-n-butyl phthalate | 2.34 | | 0.554 | ug/L | | | | | | |
| Di-n-octyl phthalate | <0.554 | U | 0.554 | ug/L | | | | | | |
| Fluoranthene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Fluorene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Hexachlorobenzene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Hexachlorocyclopentadiene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Hexachloroethane | <0.554 | U | 0.554 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Isophorone | <0.554 | U | 0.554 | ug/L | | | | | | |
| Naphthalene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Nitrobenzene | <0.554 | U | 0.554 | ug/L | | | | | | |
| n-Nitrosodimethylamine | <2.22 | U | 2.22 | ug/L | | | | | | |
| n-Nitrosodi-n-propylamine | <0.554 | U | 0.554 | ug/L | | | | | | |
| n-Nitrosodiphenylamine | <0.554 | U | 0.554 | ug/L | | | | | | |
| Pentachlorophenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| Phenanthrene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Phenol, Total | 0.890 | J | 1.11 | ug/L | | | | | | |
| Pyrene | <0.554 | U | 0.554 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *11.7* | *ug/L* | *9.85* | | *119* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.5* | *ug/L* | *19.7* | | *119* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.9* | *ug/L* | *19.7* | | *95.9* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.2* | *ug/L* | *9.85* | | *103* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.0* | *ug/L* | *19.7* | | *112* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.40* | *ug/L* | *9.85* | | *95.5* | *51.9-147* | | |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFB1944-BLK1 (BFB2791-LBK3)** | | | | | Prepared: 2/21/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.554 | U | 0.554 | ug/L | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <0.554 | U | 0.554 | ug/L | | | | | | |
| bis(2-Chloroethyl) ether | <0.554 | U | 0.554 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.554 | U | 0.554 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.24* | *ug/L* | *9.85* | | *93.8* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.5* | *ug/L* | *19.7* | | *109* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.0* | *ug/L* | *19.7* | | *86.3* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.2* | *ug/L* | *9.85* | | *114* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.3* | *ug/L* | *19.7* | | *138* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.60* | *ug/L* | *9.85* | | *87.3* | *51.9-147* | | |
| **BFB1944-BLK1 (BFB2791-LBK4)** | | | | | Prepared: 2/21/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.554 | U | 0.554 | ug/L | | | | | | |
| Benzidine | <0.554 | U | 0.554 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *8.92* | *ug/L* | *9.85* | | *90.6* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *13.5* | *ug/L* | *19.7* | | *68.4* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *10.7* | *ug/L* | *19.7* | | *54.5* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.2* | *ug/L* | *9.85* | | *103* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *12.9* | *ug/L* | *19.7* | | *65.3* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.82* | *ug/L* | *9.85* | | *89.6* | *51.9-147* | | |
| **MDL BENZ (BFB2791-MRL1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.559 | U | 0.559 | ug/L | 0.497 | | | 50-150 | | |
| Benzidine | <0.559 | U | 0.559 | ug/L | 0.497 | | | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *8.64* | *ug/L* | *9.94* | | *86.9* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *19.4* | *ug/L* | *19.9* | | *97.4* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *15.0* | *ug/L* | *19.9* | | *75.7* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.1* | *ug/L* | *9.94* | | *101* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *21.6* | *ug/L* | *19.9* | | *109* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.79* | *ug/L* | *9.94* | | *88.5* | *51.9-147* | | |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFB2791-MRL2)** | | | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 0.560 | | 0.559 | ug/L | 0.497 | | 113 | 50-150 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 0.412 | J | 0.559 | ug/L | 0.497 | | 82.9 | 50-150 | | |
| 1,2-Diphenylhydrazine | <0.559 | U | 0.559 | ug/L | 0.497 | | | 50-150 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 0.481 | J | 0.559 | ug/L | 0.497 | | 96.9 | 50-150 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 0.506 | J | 0.559 | ug/L | 0.497 | | 102 | 50-150 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 0.539 | J | 0.559 | ug/L | 0.497 | | 108 | 50-150 | | |
| 2,4,6-Trichlorophenol | 1.50 | | 1.12 | ug/L | 0.993 | | 151 | 50-150 | | |
| 2,4-Dichlorophenol | <0.559 | U | 0.559 | ug/L | 0.993 | | | 50-150 | | |
| 2,4-Dimethylphenol | 1.56 | | 1.12 | ug/L | 0.993 | | 157 | 50-150 | | |
| 2,4-Dinitrophenol | <4.47 | U | 4.47 | ug/L | 2.48 | | | | | |
| 2-Chloronaphthalene | 0.393 | J | 0.559 | ug/L | 0.497 | | 79.1 | 50-150 | | |
| 2-Chlorophenol | 1.09 | J | 1.12 | ug/L | 0.993 | | 110 | 50-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 1.03 | J | 1.12 | ug/L | 0.993 | | 103 | 50-150 | | |
| 2-Nitrophenol | 0.861 | J | 1.12 | ug/L | 0.993 | | 86.7 | 50-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 0.995 | | 0.559 | ug/L | 0.497 | | 200 | 50-150 | | |
| 4-Chloro-3-methylphenol | 1.13 | | 1.12 | ug/L | 0.993 | | 114 | 50-150 | | |
| 4-Chlorophenyl phenylether | 0.618 | | 0.559 | ug/L | 0.497 | | 124 | 50-150 | | |
| 4-Nitrophenol | <4.47 | U | 4.47 | ug/L | 2.48 | | | 50-150 | | |
| Acenaphthene | 0.373 | J | 0.559 | ug/L | 0.497 | | 75.2 | 50-150 | | |
| Acenaphthylene | 0.545 | J | 0.559 | ug/L | 0.497 | | 110 | 50-150 | | |
| Anthracene | 0.413 | J | 0.559 | ug/L | 0.497 | | 83.1 | 50-150 | | |
| Benzo(a)anthracene | 0.471 | J | 0.559 | ug/L | 0.497 | | 95.0 | 50-150 | | |
| Benzo(a)pyrene | 0.490 | J | 0.559 | ug/L | 0.497 | | 98.7 | 50-150 | | |
| benzo(b&k)fluoranthene | 1.05 | | 0.559 | ug/L | 0.993 | | 106 | 50-150 | | |
| Benzo(g,h,i)perylene | 0.561 | | 0.559 | ug/L | 0.497 | | 113 | 50-150 | | |
| bis(2-Chloroethoxy)methane | 0.654 | | 0.559 | ug/L | 0.497 | | 132 | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 0.563 | | 0.559 | ug/L | 0.497 | | 113 | 50-150 | | |
| Butyl benzyl phthalate | 0.945 | | 0.559 | ug/L | 0.497 | | 190 | 50-150 | | |
| Chrysene | 0.376 | J | 0.559 | ug/L | 0.497 | | 75.7 | 50-150 | | |
| Dibenzo(a,h)anthracene | <0.559 | U | 0.559 | ug/L | 0.497 | | | 50-150 | | |
| Diethyl phthalate | 0.440 | J | 0.559 | ug/L | 0.497 | | 88.6 | 50-150 | | |
| Dimethyl phthalate | 0.325 | J | 0.559 | ug/L | 0.497 | | 65.5 | 50-150 | | |
| Di-n-butyl phthalate | 1.98 | | 0.559 | ug/L | 0.497 | | 399 | 50-150 | | |
| Di-n-octyl phthalate | 0.528 | J | 0.559 | ug/L | 0.497 | | 106 | 50-150 | | |
| Fluoranthene | 0.452 | J | 0.559 | ug/L | 0.497 | | 91.1 | 50-150 | | |
| Fluorene | 0.309 | J | 0.559 | ug/L | 0.497 | | 62.2 | 50-150 | | |
| Hexachlorobenzene | 0.551 | J | 0.559 | ug/L | 0.497 | | 111 | 50-150 | | |
| Hexachlorobutadiene | 0.299 | J | 0.559 | ug/L | 0.497 | | 60.2 | 50-150 | | |
| Hexachlorocyclopentadiene | 0.491 | J | 0.559 | ug/L | 0.497 | | 98.9 | 50-150 | | |
| Hexachloroethane | 0.555 | J | 0.559 | ug/L | 0.497 | | 112 | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | 0.471 | J | 0.559 | ug/L | 0.497 | | 94.9 | 50-150 | | |
| Isophorone | 0.600 | | 0.559 | ug/L | 0.497 | | 121 | 50-150 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFB2791-MRL2)** | | | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| Naphthalene | 0.444 | J | 0.559 | ug/L | 0.497 | | 89.5 | 50-150 | | |
| Nitrobenzene | 0.434 | J | 0.559 | ug/L | 0.497 | | 87.5 | 50-150 | | |
| n-Nitrosodimethylamine | <2.23 | U | 2.23 | ug/L | 2.48 | | | 50-150 | | |
| n-Nitrosodi-n-propylamine | 0.914 | | 0.559 | ug/L | 0.497 | | 184 | 50-150 | | |
| n-Nitrosodiphenylamine | 0.404 | J | 0.559 | ug/L | 0.497 | | 81.3 | 50-150 | | |
| Pentachlorophenol | 0.988 | J | 1.12 | ug/L | 0.993 | | 99.5 | 50-150 | | |
| Phenanthrene | 0.592 | | 0.559 | ug/L | 0.497 | | 119 | 50-150 | | |
| Phenol, Total | 1.24 | | 1.12 | ug/L | 0.993 | | 125 | 50-150 | | |
| Pyrene | 0.619 | | 0.559 | ug/L | 0.497 | | 125 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.3* | *ug/L* | *9.93* | | *104* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.2* | *ug/L* | *19.9* | | *107* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *15.9* | *ug/L* | *19.9* | | *80.1* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.1* | *ug/L* | *9.93* | | *102* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *21.9* | *ug/L* | *19.9* | | *110* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.4* | *ug/L* | *9.93* | | *105* | *51.9-147* | | |
| **MDL SV (BFB2791-MRL3)** | | | | | Prepared: 2/21/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 0.641 | | 0.559 | ug/L | 0.497 | | 129 | 50-150 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 0.598 | | 0.559 | ug/L | 0.497 | | 120 | 50-150 | | |
| bis(2-Chloroethyl) ether | 0.541 | J | 0.559 | ug/L | 0.497 | | 109 | 50-150 | | |
| Hexachlorobutadiene | <0.559 | U | 0.559 | ug/L | 0.497 | | | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.23* | *ug/L* | *9.93* | | *93.0* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.8* | *ug/L* | *19.9* | | *110* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.0* | *ug/L* | *19.9* | | *101* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.1* | *ug/L* | *9.93* | | *112* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.0* | *ug/L* | *19.9* | | *136* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.80* | *ug/L* | *9.93* | | *98.7* | *51.9-147* | | |

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|---|---|---|
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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB2791-MS1)** | **Source: 22A3987-13** | | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 8.70 | | 0.561 | ug/L | 9.97 | <0.561 | 87.3 | 35.3-142 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 6.92 | | 0.561 | ug/L | 9.97 | <0.561 | 69.4 | 31.4-142 | | |
| 1,2-Diphenylhydrazine | 7.84 | | 0.561 | ug/L | 9.97 | <0.561 | 78.7 | 48.9-156 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.45 | | 0.561 | ug/L | 9.97 | <0.561 | 64.7 | 30.5-135 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 8.31 | | 0.561 | ug/L | 9.97 | <0.561 | 83.3 | 37.2-133 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 8.98 | | 0.561 | ug/L | 9.97 | <0.561 | 90.1 | 41.7-151 | | |
| 2,4,6-Trichlorophenol | 16.0 | | 1.12 | ug/L | 19.9 | <1.12 | 80.4 | 34.7-143 | | |
| 2,4-Dichlorophenol | 22.4 | | 0.561 | ug/L | 19.9 | <0.561 | 112 | 42.7-158 | | |
| 2,4-Dimethylphenol | 23.3 | | 1.12 | ug/L | 19.9 | <1.12 | 117 | 38.4-170 | | |
| 2,4-Dinitrophenol | 48.1 | | 4.49 | ug/L | 49.8 | <4.49 | 96.5 | 60-140 | | |
| 2-Chloronaphthalene | 8.40 | | 0.561 | ug/L | 9.97 | <0.561 | 84.3 | 27.4-158 | | |
| 2-Chlorophenol | 18.4 | | 1.12 | ug/L | 19.9 | <1.12 | 92.4 | 49.2-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 17.2 | | 1.12 | ug/L | 19.9 | <1.12 | 86.3 | 41.9-153 | | |
| 2-Nitrophenol | 20.5 | | 1.12 | ug/L | 19.9 | <1.12 | 103 | 51.9-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 8.85 | | 0.561 | ug/L | 9.97 | <0.561 | 88.8 | 45.2-146 | | |
| 4-Chloro-3-methylphenol | 24.9 | | 1.12 | ug/L | 19.9 | <1.12 | 125 | 46.9-147 | | |
| 4-Chlorophenyl phenylether | 8.71 | | 0.561 | ug/L | 9.97 | <0.561 | 87.4 | 44.5-143 | | |
| 4-Nitrophenol | 39.8 | | 4.49 | ug/L | 49.8 | <4.49 | 79.9 | 2-173 | | |
| Acenaphthene | 9.69 | | 0.561 | ug/L | 9.97 | 1.08 | 86.4 | 47.3-149 | | |
| Acenaphthylene | 8.90 | | 0.561 | ug/L | 9.97 | <0.561 | 89.3 | 56.5-173 | | |
| Anthracene | 10.9 | | 0.561 | ug/L | 9.97 | <0.561 | 109 | 49.7-160 | | |
| Benzo(a)anthracene | 8.04 | | 0.561 | ug/L | 9.97 | <0.561 | 80.6 | 41.7-151 | | |
| Benzo(a)pyrene | 8.17 | | 0.561 | ug/L | 9.97 | <0.561 | 82.0 | 45.4-133 | | |
| benzo(b&k)fluoranthene | 16.9 | | 0.561 | ug/L | 19.9 | <0.561 | 84.8 | 55.3-137 | | |
| Benzo(g,h,i)perylene | 8.27 | | 0.561 | ug/L | 9.97 | <0.561 | 83.0 | 37.9-152 | | |
| bis(2-Chloroethoxy)methane | 9.20 | | 0.561 | ug/L | 9.97 | <0.561 | 92.3 | 40.1-151 | | |
| Bis(2-ethylhexyl )phthalate | 9.83 | | 0.561 | ug/L | 9.97 | <0.561 | 98.6 | 38.3-135 | | |
| Butyl benzyl phthalate | 9.88 | | 0.561 | ug/L | 9.97 | <0.561 | 99.2 | 41.1-148 | | |
| Chrysene | 9.63 | | 0.561 | ug/L | 9.97 | <0.561 | 96.6 | 51-147 | | |
| Dibenzo(a,h)anthracene | 7.69 | | 0.561 | ug/L | 9.97 | <0.561 | 77.1 | 27.5-156 | | |
| Diethyl phthalate | 10.0 | | 0.561 | ug/L | 9.97 | <0.561 | 101 | 53.4-146 | | |
| Dimethyl phthalate | 8.94 | | 0.561 | ug/L | 9.97 | <0.561 | 89.7 | 53-151 | | |
| Di-n-butyl phthalate | 12.5 | | 0.561 | ug/L | 9.97 | <0.561 | 126 | 25.4-168 | | |
| Di-n-octyl phthalate | 8.86 | | 0.561 | ug/L | 9.97 | <0.561 | 88.9 | 39.2-123 | | |
| Fluoranthene | 10.1 | | 0.561 | ug/L | 9.97 | <0.561 | 102 | 45.3-156 | | |
| Fluorene | 9.75 | | 0.561 | ug/L | 9.97 | <0.561 | 97.9 | 56.3-145 | | |
| Hexachlorobenzene | 7.79 | | 0.561 | ug/L | 9.97 | <0.561 | 78.2 | 56.1-137 | | |
| Hexachlorobutadiene | 5.03 | | 0.561 | ug/L | 9.97 | <0.561 | 50.5 | 33.1-110 | | |
| Hexachlorocyclopentadiene | 6.46 | | 0.561 | ug/L | 9.97 | <0.561 | 64.8 | 2-179 | | |
| Hexachloroethane | 5.46 | | 0.561 | ug/L | 9.97 | <0.561 | 54.8 | 36.2-106 | | |
| Indeno(1,2,3-cd) pyrene | 7.79 | | 0.561 | ug/L | 9.97 | <0.561 | 78.2 | 33.4-153 | | |
| Isophorone | 9.98 | | 0.561 | ug/L | 9.97 | <0.561 | 100 | 43.3-154 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB2791-MS1)** | | **Source: 22A3987-13** | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| Naphthalene | 9.60 | | 0.561 | ug/L | 9.97 | 0.950 | 86.8 | 45.1-153 | | |
| Nitrobenzene | 8.47 | | 0.561 | ug/L | 9.97 | <0.561 | 85.0 | 54.9-156 | | |
| n-Nitrosodimethylamine | 2.05 | J | 2.24 | ug/L | 49.8 | <2.24 | 4.12 | 2-56.4 | | |
| n-Nitrosodi-n-propylamine | 9.74 | | 0.561 | ug/L | 9.97 | <0.561 | 97.7 | 38.3-160 | | |
| n-Nitrosodiphenylamine | 5.51 | | 0.561 | ug/L | 9.97 | <0.561 | 55.3 | 38.1-163 | | |
| Pentachlorophenol | 18.2 | | 1.12 | ug/L | 19.9 | 0.659 | 88.2 | 42.2-151 | | |
| Phenanthrene | 8.80 | | 0.561 | ug/L | 9.97 | <0.561 | 88.3 | 45.3-165 | | |
| Phenol, Total | 20.7 | | 1.12 | ug/L | 19.9 | 0.577 | 101 | 39.8-164 | | |
| Pyrene | 9.22 | | 0.561 | ug/L | 9.97 | <0.561 | 92.5 | 46.3-149 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.9* | *ug/L* | *9.97* | | *109* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *19.7* | *ug/L* | *19.9* | | *98.6* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.8* | *ug/L* | *19.9* | | *99.2* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.12* | *ug/L* | *9.97* | | *91.5* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.4* | *ug/L* | *19.9* | | *117* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.44* | *ug/L* | *9.97* | | *94.7* | *51.9-147* | | |
| **Matrix Spike (BFB2791-MS2)** | | **Source: 22A3987-13RE1** | | | Prepared: 2/21/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.80 | | 0.561 | ug/L | 9.97 | <0.561 | 88.2 | 50.3-144 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 8.40 | | 0.561 | ug/L | 9.97 | <0.561 | 84.2 | 43.7-157 | | |
| bis(2-Chloroethyl) ether | 10.7 | | 0.561 | ug/L | 9.97 | <0.561 | 107 | 45.9-163 | | |
| Hexachlorobutadiene | 5.51 | | 0.561 | ug/L | 9.97 | <0.561 | 55.3 | 33.1-110 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.1* | *ug/L* | *9.97* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.9* | *ug/L* | *19.9* | | *110* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *21.8* | *ug/L* | *19.9* | | *110* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.7* | *ug/L* | *9.97* | | *117* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *31.2* | *ug/L* | *19.9* | | *156* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.83* | *ug/L* | *9.97* | | *88.6* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB2791-MSD1)** | **Source: 22A3987-13** | | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.69 | | 0.558 | ug/L | 9.92 | <0.558 | 77.6 | 35.3-142 | 12.3 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 7.36 | | 0.558 | ug/L | 9.92 | <0.558 | 74.2 | 31.4-142 | 6.20 | 40 |
| 1,2-Diphenylhydrazine | 7.72 | | 0.558 | ug/L | 9.92 | <0.558 | 77.8 | 48.9-156 | 1.60 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.66 | | 0.558 | ug/L | 9.92 | <0.558 | 67.1 | 30.5-135 | 3.17 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 9.30 | | 0.558 | ug/L | 9.92 | <0.558 | 93.8 | 37.2-133 | 11.3 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 8.80 | | 0.558 | ug/L | 9.92 | <0.558 | 88.7 | 41.7-151 | 2.05 | 40 |
| 2,4,6-Trichlorophenol | 14.8 | | 1.12 | ug/L | 19.8 | <1.12 | 74.6 | 34.7-143 | 8.01 | 40 |
| 2,4-Dichlorophenol | 21.8 | | 0.558 | ug/L | 19.8 | <0.558 | 110 | 42.7-158 | 2.44 | 40 |
| 2,4-Dimethylphenol | 21.7 | | 1.12 | ug/L | 19.8 | <1.12 | 109 | 38.4-170 | 7.37 | 40 |
| 2,4-Dinitrophenol | 54.1 | | 4.46 | ug/L | 49.6 | <4.46 | 109 | 60-140 | 11.7 | 40 |
| 2-Chloronaphthalene | 8.01 | | 0.558 | ug/L | 9.92 | <0.558 | 80.7 | 27.4-158 | 4.86 | 40 |
| 2-Chlorophenol | 18.5 | | 1.12 | ug/L | 19.8 | <1.12 | 93.2 | 49.2-150 | 0.362 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 18.3 | | 1.12 | ug/L | 19.8 | <1.12 | 92.2 | 41.9-153 | 6.08 | 40 |
| 2-Nitrophenol | 20.3 | | 1.12 | ug/L | 19.8 | <1.12 | 102 | 51.9-150 | 1.12 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 7.56 | | 0.558 | ug/L | 9.92 | <0.558 | 76.2 | 45.2-146 | 15.8 | 40 |
| 4-Chloro-3-methylphenol | 20.4 | | 1.12 | ug/L | 19.8 | <1.12 | 103 | 46.9-147 | 19.9 | 40 |
| 4-Chlorophenyl phenylether | 8.13 | | 0.558 | ug/L | 9.92 | <0.558 | 82.0 | 44.5-143 | 6.92 | 40 |
| 4-Nitrophenol | 48.1 | | 4.46 | ug/L | 49.6 | <4.46 | 97.0 | 2-173 | 18.8 | 40 |
| Acenaphthene | 8.59 | | 0.558 | ug/L | 9.92 | 1.08 | 75.7 | 47.3-149 | 12.0 | 40 |
| Acenaphthylene | 7.71 | | 0.558 | ug/L | 9.92 | <0.558 | 77.8 | 56.5-173 | 14.3 | 40 |
| Anthracene | 9.35 | | 0.558 | ug/L | 9.92 | <0.558 | 94.3 | 49.7-160 | 15.0 | 40 |
| Benzo(a)anthracene | 7.95 | | 0.558 | ug/L | 9.92 | <0.558 | 80.1 | 41.7-151 | 1.09 | 40 |
| Benzo(a)pyrene | 8.22 | | 0.558 | ug/L | 9.92 | <0.558 | 82.8 | 45.4-133 | 0.544 | 40 |
| benzo(b&k)fluoranthene | 17.7 | | 0.558 | ug/L | 19.8 | <0.558 | 89.4 | 55.3-137 | 4.79 | 40 |
| Benzo(g,h,i)perylene | 7.82 | | 0.558 | ug/L | 9.92 | <0.558 | 78.9 | 37.9-152 | 5.57 | 40 |
| bis(2-Chloroethoxy)methane | 8.28 | | 0.558 | ug/L | 9.92 | <0.558 | 83.5 | 40.1-151 | 10.6 | 40 |
| Bis(2-ethylhexyl )phthalate | 9.02 | | 0.558 | ug/L | 9.92 | <0.558 | 91.0 | 38.3-135 | 8.52 | 40 |
| Butyl benzyl phthalate | 9.44 | | 0.558 | ug/L | 9.92 | <0.558 | 95.2 | 41.1-148 | 4.54 | 40 |
| Chrysene | 8.89 | | 0.558 | ug/L | 9.92 | <0.558 | 89.7 | 51-147 | 7.97 | 40 |
| Dibenzo(a,h)anthracene | 7.41 | | 0.558 | ug/L | 9.92 | <0.558 | 74.7 | 27.5-156 | 3.69 | 40 |
| Diethyl phthalate | 9.67 | | 0.558 | ug/L | 9.92 | <0.558 | 97.5 | 53.4-146 | 3.66 | 40 |
| Dimethyl phthalate | 8.39 | | 0.558 | ug/L | 9.92 | <0.558 | 84.6 | 53-151 | 6.34 | 40 |
| Di-n-butyl phthalate | 12.1 | | 0.558 | ug/L | 9.92 | <0.558 | 122 | 25.4-168 | 3.97 | 40 |
| Di-n-octyl phthalate | 8.64 | | 0.558 | ug/L | 9.92 | <0.558 | 87.1 | 39.2-123 | 2.51 | 40 |
| Fluoranthene | 10.2 | | 0.558 | ug/L | 9.92 | <0.558 | 103 | 45.3-156 | 0.749 | 40 |
| Fluorene | 8.62 | | 0.558 | ug/L | 9.92 | <0.558 | 86.9 | 56.3-145 | 12.4 | 40 |
| Hexachlorobenzene | 8.84 | | 0.558 | ug/L | 9.92 | <0.558 | 89.1 | 56.1-137 | 12.6 | 40 |
| Hexachlorobutadiene | 5.76 | | 0.558 | ug/L | 9.92 | <0.558 | 58.0 | 33.1-110 | 13.5 | 40 |
| Hexachlorocyclopentadiene | 7.12 | | 0.558 | ug/L | 9.92 | <0.558 | 71.8 | 2-179 | 9.73 | 40 |
| Hexachloroethane | 5.58 | | 0.558 | ug/L | 9.92 | <0.558 | 56.3 | 36.2-106 | 2.23 | 40 |
| Indeno(1,2,3-cd) pyrene | 8.02 | | 0.558 | ug/L | 9.92 | <0.558 | 80.8 | 33.4-153 | 2.80 | 40 |
| Isophorone | 9.19 | | 0.558 | ug/L | 9.92 | <0.558 | 92.6 | 43.3-154 | 8.22 | 40 |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2791 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB2791-MSD1)** | | **Source: 22A3987-13** | | | Prepared: 2/21/2022 Analyzed: 3/3/2022 | | | | | |
| Naphthalene | 9.23 | | 0.558 | ug/L | 9.92 | 0.950 | 83.5 | 45.1-153 | 3.89 | 40 |
| Nitrobenzene | 8.70 | | 0.558 | ug/L | 9.92 | <0.558 | 87.7 | 54.9-156 | 2.67 | 40 |
| n-Nitrosodimethylamine | 2.70 | | 2.23 | ug/L | 49.6 | <2.23 | 5.44 | 2-56.4 | 27.1 | 40 |
| n-Nitrosodi-n-propylamine | 9.00 | | 0.558 | ug/L | 9.92 | <0.558 | 90.7 | 38.3-160 | 7.93 | 40 |
| n-Nitrosodiphenylamine | 4.92 | | 0.558 | ug/L | 9.92 | <0.558 | 49.6 | 38.1-163 | 11.3 | 40 |
| Pentachlorophenol | 17.0 | | 1.12 | ug/L | 19.8 | 0.659 | 82.3 | 42.2-151 | 7.18 | 40 |
| Phenanthrene | 8.87 | | 0.558 | ug/L | 9.92 | <0.558 | 89.4 | 45.3-165 | 0.822 | 40 |
| Phenol, Total | 18.7 | | 1.12 | ug/L | 19.8 | 0.577 | 91.2 | 39.8-164 | 10.4 | 40 |
| Pyrene | 9.44 | | 0.558 | ug/L | 9.92 | <0.558 | 95.2 | 46.3-149 | 2.35 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.83* | *ug/L* | *9.92* | | *99.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.8* | *ug/L* | *19.8* | | *110* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *21.4* | *ug/L* | *19.8* | | *108* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.07* | *ug/L* | *9.92* | | *91.4* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *19.8* | *ug/L* | *19.8* | | *100* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.66* | *ug/L* | *9.92* | | *97.4* | *51.9-147* | | |
| **Matrix Spike Dup (BFB2791-MSD2)** | | **Source: 22A3987-13RE1** | | | Prepared: 2/21/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 9.67 | | 0.558 | ug/L | 9.92 | <0.558 | 97.5 | 50.3-144 | 9.42 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 9.06 | | 0.558 | ug/L | 9.92 | <0.558 | 91.3 | 43.7-157 | 7.60 | 40 |
| bis(2-Chloroethyl) ether | 9.75 | | 0.558 | ug/L | 9.92 | <0.558 | 98.3 | 45.9-163 | 9.14 | 40 |
| Hexachlorobutadiene | 5.28 | | 0.558 | ug/L | 9.92 | <0.558 | 53.3 | 33.1-110 | 4.29 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.68* | *ug/L* | *9.92* | | *97.6* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.3* | *ug/L* | *19.8* | | *113* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *24.0* | *ug/L* | *19.8* | | *121* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.6* | *ug/L* | *9.92* | | *117* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *29.4* | *ug/L* | *19.8* | | *148* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.71* | *ug/L* | *9.92* | | *87.8* | *51.9-147* | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511*** | | | | | | | | | | |
| **Blank (BFB3255-BLK1)** | | | | | Prepared: 2/24/2022 Analyzed: 3/2/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,2-Diphenylhydrazine | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,4,6-Trichlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.49 | U | 4.49 | ug/L | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <1.12 | CQc, R, U | 1.12 | ug/L | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2-Chloronaphthalene | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2-Chlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Nitrophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 4-Chloro-3-methylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Chlorophenyl phenylether | <0.561 | U | 0.561 | ug/L | | | | | | |
| 4-Nitrophenol | <4.49 | U | 4.49 | ug/L | | | | | | |
| Acenaphthene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Acenaphthylene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.561 | U | 0.561 | ug/L | | | | | | |
| bis(2-Chloroethoxy)methane | <0.561 | U | 0.561 | ug/L | | | | | | |
| bis(2-Chloroethyl) ether | <0.561 | CQa, R, U | 0.561 | ug/L | | | | | | |
| Bis(2-ethylhexyl )phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Butyl benzyl phthalate | 0.312 | J | 0.561 | ug/L | | | | | | |
| Chrysene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Diethyl phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Dimethyl phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Di-n-butyl phthalate | 3.34 | | 0.561 | ug/L | | | | | | |
| Di-n-octyl phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Fluoranthene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Fluorene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachlorobenzene | <0.561 | U | 0.561 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFB3255-BLK1)** | | | | | Prepared: 2/24/2022 Analyzed: 3/2/2022 | | | | | |
| Hexachlorobutadiene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachlorocyclopentadiene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachloroethane | <0.561 | U | 0.561 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Isophorone | <0.561 | U | 0.561 | ug/L | | | | | | |
| Naphthalene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Nitrobenzene | <0.561 | U | 0.561 | ug/L | | | | | | |
| n-Nitrosodimethylamine | <2.24 | U | 2.24 | ug/L | | | | | | |
| n-Nitrosodi-n-propylamine | <0.561 | U | 0.561 | ug/L | | | | | | |
| n-Nitrosodiphenylamine | <0.561 | U | 0.561 | ug/L | | | | | | |
| Pentachlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| Phenanthrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Phenol, Total | 0.626 | J | 1.12 | ug/L | | | | | | |
| Pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.4* | *ug/L* | *9.97* | | *104* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.8* | *ug/L* | *19.9* | | *104* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *15.3* | *ug/L* | *19.9* | | *76.5* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.30* | *ug/L* | *9.97* | | *93.2* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *17.2* | *ug/L* | *19.9* | | *86.1* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *12.7* | *ug/L* | *9.97* | | *127* | *51.9-147* | | |
| **Blank (BFB3255-BLK2)** | | | | | Prepared: 2/24/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.561 | U | 0.561 | ug/L | | | | | | |
| bis(2-Chloroethyl) ether | <0.561 | U | 0.561 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.45* | *ug/L* | *9.97* | | *94.8* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.1* | *ug/L* | *19.9* | | *106* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *14.8* | *ug/L* | *19.9* | | *74.2* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.0* | *ug/L* | *9.97* | | *110* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.6* | *ug/L* | *19.9* | | *138* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.13* | *ug/L* | *9.97* | | *91.5* | *51.9-147* | | |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFB3255-BLK3)** | | | | | Prepared: 2/24/2022 Analyzed: 3/24/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzidine | <0.561 | U | 0.561 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *8.88* | *ug/L* | *9.97* | | *89.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.8* | *ug/L* | *19.9* | | *104* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *16.7* | *ug/L* | *19.9* | | *83.6* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.1* | *ug/L* | *9.97* | | *112* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.9* | *ug/L* | *19.9* | | *115* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.11* | *ug/L* | *9.97* | | *71.3* | *51.9-147* | | |
| **LCS (BFB3255-BS1)** | | | | | Prepared: 2/24/2022 Analyzed: 3/24/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 6.11 | | 0.556 | ug/L | 9.88 | | 61.8 | 22.3-156 | | |
| Benzidine | 3.97 | | 0.556 | ug/L | 9.88 | | 40.2 | 9.32-162 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.12* | *ug/L* | *9.88* | | *92.3* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *18.7* | *ug/L* | *19.8* | | *94.5* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.0* | *ug/L* | *19.8* | | *85.8* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.50* | *ug/L* | *9.88* | | *96.1* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.2* | *ug/L* | *19.8* | | *102* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.74* | *ug/L* | *9.88* | | *88.4* | *51.9-147* | | |
| **LCS (BFB3255-BS2)** | | | | | Prepared: 2/24/2022 Analyzed: 3/2/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.62 | | 0.557 | ug/L | 9.90 | | 77.0 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.64 | | 0.557 | ug/L | 9.90 | | 87.3 | 60-140 | | |
| 1,2-Diphenylhydrazine | 7.92 | | 0.557 | ug/L | 9.90 | | 80.0 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.94 | | 0.557 | ug/L | 9.90 | | 70.1 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 8.12 | | 0.557 | ug/L | 9.90 | | 82.1 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 9.62 | | 0.557 | ug/L | 9.90 | | 97.2 | 60-140 | | |
| 2,4,6-Trichlorophenol | 19.0 | | 1.11 | ug/L | 19.8 | | 96.0 | 60-140 | | |
| 2,4-Dichlorophenol | 21.3 | | 0.557 | ug/L | 19.8 | | 108 | 60-140 | | |
| 2,4-Dimethylphenol | 20.3 | | 1.11 | ug/L | 19.8 | | 102 | 35.9-153 | | |
| 2,4-Dinitrophenol | 40.4 | | 4.45 | ug/L | 49.5 | | 81.5 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.55 | CQc, R | 1.11 | ug/L | 9.90 | | 86.4 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 8.78 | | 0.557 | ug/L | 9.90 | | 88.7 | 60-140 | | |
| 2-Chloronaphthalene | 9.23 | | 0.557 | ug/L | 9.90 | | 93.3 | 60-140 | | |
| 2-Chlorophenol | 17.0 | | 1.11 | ug/L | 19.8 | | 86.0 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 15.5 | | 1.11 | ug/L | 19.8 | | 78.4 | 60-140 | | |
| 2-Nitrophenol | 17.7 | | 1.11 | ug/L | 19.8 | | 89.3 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 9.38 | | 0.557 | ug/L | 9.90 | | 94.8 | 60-140 | | |
| 4-Chloro-3-methylphenol | 21.0 | | 1.11 | ug/L | 19.8 | | 106 | 60-140 | | |
| 4-Chlorophenyl phenylether | 8.26 | | 0.557 | ug/L | 9.90 | | 83.4 | 60-140 | | |
| 4-Nitrophenol | 46.0 | | 4.45 | ug/L | 49.5 | | 92.9 | 60-140 | | |
| Acenaphthene | 8.57 | | 0.557 | ug/L | 9.90 | | 86.6 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3255-BS2)** | | | | | Prepared: 2/24/2022 Analyzed: 3/2/2022 | | | | | |
| Acenaphthylene | 7.83 | | 0.557 | ug/L | 9.90 | | 79.1 | 60-140 | | |
| Anthracene | 10.1 | | 0.557 | ug/L | 9.90 | | 102 | 60-140 | | |
| Benzo(a)anthracene | 8.50 | | 0.557 | ug/L | 9.90 | | 85.9 | 60-140 | | |
| Benzo(a)pyrene | 9.04 | | 0.557 | ug/L | 9.90 | | 91.3 | 60-140 | | |
| benzo(b&k)fluoranthene | 16.8 | | 0.557 | ug/L | 19.8 | | 84.8 | 60-140 | | |
| Benzo(g,h,i)perylene | 8.38 | | 0.557 | ug/L | 9.90 | | 84.6 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 8.68 | | 0.557 | ug/L | 9.90 | | 87.7 | 60-140 | | |
| bis(2-Chloroethyl) ether | 6.74 | R, CQa | 0.557 | ug/L | 9.90 | | 68.1 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 10.9 | | 0.557 | ug/L | 9.90 | | 110 | 60-140 | | |
| Butyl benzyl phthalate | 10.9 | | 0.557 | ug/L | 9.90 | | 110 | 60-140 | | |
| Chrysene | 9.36 | | 0.557 | ug/L | 9.90 | | 94.5 | 60-140 | | |
| Dibenzo(a,h)anthracene | 8.38 | | 0.557 | ug/L | 9.90 | | 84.7 | 60-140 | | |
| Diethyl phthalate | 9.37 | | 0.557 | ug/L | 9.90 | | 94.7 | 60-140 | | |
| Dimethyl phthalate | 8.68 | | 0.557 | ug/L | 9.90 | | 87.7 | 60-140 | | |
| Di-n-butyl phthalate | 13.3 | | 0.557 | ug/L | 9.90 | | 135 | 60-140 | | |
| Di-n-octyl phthalate | 9.25 | | 0.557 | ug/L | 9.90 | | 93.5 | 60-140 | | |
| Fluoranthene | 10.5 | | 0.557 | ug/L | 9.90 | | 106 | 60-140 | | |
| Fluorene | 9.50 | | 0.557 | ug/L | 9.90 | | 95.9 | 60-140 | | |
| Hexachlorobenzene | 8.95 | | 0.557 | ug/L | 9.90 | | 90.4 | 60-140 | | |
| Hexachlorobutadiene | 5.85 | J1 | 0.557 | ug/L | 9.90 | | 59.1 | 60-140 | | |
| Hexachlorocyclopentadiene | 6.26 | | 0.557 | ug/L | 9.90 | | 63.3 | 60-140 | | |
| Hexachloroethane | 6.44 | | 0.557 | ug/L | 9.90 | | 65.1 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 8.61 | | 0.557 | ug/L | 9.90 | | 87.0 | 60-140 | | |
| Isophorone | 9.81 | | 0.557 | ug/L | 9.90 | | 99.1 | 60-140 | | |
| Naphthalene | 9.17 | | 0.557 | ug/L | 9.90 | | 92.6 | 60-140 | | |
| Nitrobenzene | 9.24 | | 0.557 | ug/L | 9.90 | | 93.3 | 60-140 | | |
| n-Nitrosodimethylamine | 3.97 | | 2.23 | ug/L | 49.5 | | 8.01 | 2.5-65.7 | | |
| n-Nitrosodi-n-propylamine | 9.49 | | 0.557 | ug/L | 9.90 | | 95.9 | 60-140 | | |
| n-Nitrosodiphenylamine | 7.57 | | 0.557 | ug/L | 9.90 | | 76.5 | 60-140 | | |
| Pentachlorophenol | 19.0 | | 1.11 | ug/L | 19.8 | | 96.1 | 36.8-149 | | |
| Phenanthrene | 8.54 | | 0.557 | ug/L | 9.90 | | 86.3 | 60-140 | | |
| Phenol, Total | 20.5 | | 1.11 | ug/L | 19.8 | | 103 | 60-140 | | |
| Pyrene | 8.59 | | 0.557 | ug/L | 9.90 | | 86.7 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.7* | *ug/L* | *9.90* | | *108* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.1* | *ug/L* | *19.8* | | *112* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *22.1* | *ug/L* | *19.8* | | *112* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.2* | *ug/L* | *9.90* | | *113* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *13.5* | *ug/L* | *19.8* | | *68.1* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.15* | *ug/L* | *9.90* | | *92.4* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3255-BS3)** | | | | | Prepared: 2/24/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.48 | | 0.557 | ug/L | 9.90 | | 85.7 | 60-140 | | |
| bis(2-Chloroethyl) ether | 10.4 | | 0.557 | ug/L | 9.90 | | 105 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.1* | *ug/L* | *9.90* | | *102* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.1* | *ug/L* | *19.8* | | *107* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.8* | *ug/L* | *19.8* | | *105* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.5* | *ug/L* | *9.90* | | *116* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *28.9* | *ug/L* | *19.8* | | *146* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.00* | *ug/L* | *9.90* | | *90.9* | *51.9-147* | | |
| **LCS Dup (BFB3255-BSD1)** | | | | | Prepared: 2/24/2022 Analyzed: 3/24/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 6.18 | | 0.561 | ug/L | 9.98 | | 61.9 | 22.3-156 | 1.10 | 40 |
| Benzidine | 5.00 | | 0.561 | ug/L | 9.98 | | 50.2 | 9.32-162 | 23.1 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.15* | *ug/L* | *9.98* | | *91.7* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.4* | *ug/L* | *20.0* | | *117* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *16.1* | *ug/L* | *20.0* | | *80.5* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.48* | *ug/L* | *9.98* | | *95.0* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.8* | *ug/L* | *20.0* | | *104* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.89* | *ug/L* | *9.98* | | *79.1* | *51.9-147* | | |
| **LCS Dup (BFB3255-BSD2)** | | | | | Prepared: 2/24/2022 Analyzed: 3/2/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.03 | | 0.562 | ug/L | 10.0 | | 70.3 | 60-140 | 8.12 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 6.89 | | 0.562 | ug/L | 10.0 | | 68.9 | 60-140 | 22.6 | 40 |
| 1,2-Diphenylhydrazine | 7.55 | | 0.562 | ug/L | 10.0 | | 75.5 | 60-140 | 4.73 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.44 | | 0.562 | ug/L | 10.0 | | 64.4 | 60-140 | 7.38 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.49 | | 0.562 | ug/L | 10.0 | | 74.9 | 60-140 | 8.08 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 8.79 | | 0.562 | ug/L | 10.0 | | 87.9 | 60-140 | 9.04 | 40 |
| 2,4,6-Trichlorophenol | 19.3 | | 1.12 | ug/L | 20.0 | | 96.6 | 60-140 | 1.58 | 40 |
| 2,4-Dichlorophenol | 26.0 | | 0.562 | ug/L | 20.0 | | 130 | 60-140 | 20.1 | 40 |
| 2,4-Dimethylphenol | 18.6 | | 1.12 | ug/L | 20.0 | | 93.3 | 35.9-153 | 8.40 | 40 |
| 2,4-Dinitrophenol | 46.0 | | 4.50 | ug/L | 50.0 | | 92.0 | 60-140 | 13.0 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.48 | CQc, R | 1.12 | ug/L | 10.0 | | 84.9 | 60-140 | 0.826 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 8.57 | | 0.562 | ug/L | 10.0 | | 85.7 | 60-140 | 2.47 | 40 |
| 2-Chloronaphthalene | 7.90 | | 0.562 | ug/L | 10.0 | | 79.0 | 60-140 | 15.5 | 40 |
| 2-Chlorophenol | 27.2 | J1 | 1.12 | ug/L | 20.0 | | 136 | 60-140 | 46.0 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 17.4 | | 1.12 | ug/L | 20.0 | | 87.1 | 60-140 | 11.6 | 40 |
| 2-Nitrophenol | 16.2 | | 1.12 | ug/L | 20.0 | | 80.8 | 60-140 | 9.02 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 7.71 | | 0.562 | ug/L | 10.0 | | 77.1 | 60-140 | 19.6 | 40 |
| 4-Chloro-3-methylphenol | 20.3 | | 1.12 | ug/L | 20.0 | | 102 | 60-140 | 3.29 | 40 |
| 4-Chlorophenyl phenylether | 8.37 | | 0.562 | ug/L | 10.0 | | 83.7 | 60-140 | 1.35 | 40 |
| 4-Nitrophenol | 51.2 | | 4.50 | ug/L | 50.0 | | 102 | 60-140 | 10.7 | 40 |
| Acenaphthene | 7.72 | | 0.562 | ug/L | 10.0 | | 77.2 | 60-140 | 10.4 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3255-BSD2)** | | | | | Prepared: 2/24/2022 Analyzed: 3/2/2022 | | | | | |
| Acenaphthylene | 7.45 | | 0.562 | ug/L | 10.0 | | 74.6 | 60-140 | 4.87 | 40 |
| Anthracene | 8.67 | | 0.562 | ug/L | 10.0 | | 86.7 | 60-140 | 14.9 | 40 |
| Benzo(a)anthracene | 7.82 | | 0.562 | ug/L | 10.0 | | 78.3 | 60-140 | 8.32 | 40 |
| Benzo(a)pyrene | 8.82 | | 0.562 | ug/L | 10.0 | | 88.3 | 60-140 | 2.41 | 40 |
| benzo(b&k)fluoranthene | 17.0 | | 0.562 | ug/L | 20.0 | | 85.0 | 60-140 | 1.24 | 40 |
| Benzo(g,h,i)perylene | 8.40 | | 0.562 | ug/L | 10.0 | | 84.1 | 60-140 | 0.346 | 40 |
| bis(2-Chloroethoxy)methane | 7.93 | | 0.562 | ug/L | 10.0 | | 79.3 | 60-140 | 8.97 | 40 |
| bis(2-Chloroethyl) ether | 9.26 | CQa, R | 0.562 | ug/L | 10.0 | | 92.6 | 60-140 | 31.5 | 40 |
| Bis(2-ethylhexyl )phthalate | 9.12 | | 0.562 | ug/L | 10.0 | | 91.3 | 60-140 | 17.5 | 40 |
| Butyl benzyl phthalate | 8.76 | | 0.562 | ug/L | 10.0 | | 87.6 | 60-140 | 21.5 | 40 |
| Chrysene | 8.70 | | 0.562 | ug/L | 10.0 | | 87.0 | 60-140 | 7.28 | 40 |
| Dibenzo(a,h)anthracene | 8.95 | | 0.562 | ug/L | 10.0 | | 89.5 | 60-140 | 6.56 | 40 |
| Diethyl phthalate | 8.75 | | 0.562 | ug/L | 10.0 | | 87.6 | 60-140 | 6.81 | 40 |
| Dimethyl phthalate | 8.04 | | 0.562 | ug/L | 10.0 | | 80.4 | 60-140 | 7.63 | 40 |
| Di-n-butyl phthalate | 11.7 | | 0.562 | ug/L | 10.0 | | 117 | 60-140 | 12.9 | 40 |
| Di-n-octyl phthalate | 8.16 | | 0.562 | ug/L | 10.0 | | 81.6 | 60-140 | 12.6 | 40 |
| Fluoranthene | 8.70 | | 0.562 | ug/L | 10.0 | | 87.0 | 60-140 | 19.0 | 40 |
| Fluorene | 8.85 | | 0.562 | ug/L | 10.0 | | 88.5 | 60-140 | 7.10 | 40 |
| Hexachlorobenzene | 8.59 | | 0.562 | ug/L | 10.0 | | 85.9 | 60-140 | 4.07 | 40 |
| Hexachlorobutadiene | 4.86 | J1 | 0.562 | ug/L | 10.0 | | 48.6 | 60-140 | 18.4 | 40 |
| Hexachlorocyclopentadiene | 5.72 | J1 | 0.562 | ug/L | 10.0 | | 57.2 | 60-140 | 9.00 | 40 |
| Hexachloroethane | 6.24 | | 0.562 | ug/L | 10.0 | | 62.4 | 60-140 | 3.20 | 40 |
| Indeno(1,2,3-cd) pyrene | 8.68 | | 0.562 | ug/L | 10.0 | | 86.8 | 60-140 | 0.752 | 40 |
| Isophorone | 8.75 | | 0.562 | ug/L | 10.0 | | 87.5 | 60-140 | 11.5 | 40 |
| Naphthalene | 8.93 | | 0.562 | ug/L | 10.0 | | 89.3 | 60-140 | 2.71 | 40 |
| Nitrobenzene | 8.90 | | 0.562 | ug/L | 10.0 | | 89.0 | 60-140 | 3.76 | 40 |
| n-Nitrosodimethylamine | 3.80 | | 2.25 | ug/L | 50.0 | | 7.61 | 2.5-65.7 | 4.14 | 40 |
| n-Nitrosodi-n-propylamine | 8.54 | | 0.562 | ug/L | 10.0 | | 85.4 | 60-140 | 10.6 | 40 |
| n-Nitrosodiphenylamine | 5.96 | J1 | 0.562 | ug/L | 10.0 | | 59.6 | 60-140 | 23.8 | 40 |
| Pentachlorophenol | 18.4 | | 1.12 | ug/L | 20.0 | | 92.2 | 36.8-149 | 3.13 | 40 |
| Phenanthrene | 8.77 | | 0.562 | ug/L | 10.0 | | 87.7 | 60-140 | 2.68 | 40 |
| Phenol, Total | 20.5 | | 1.12 | ug/L | 20.0 | | 103 | 60-140 | 0.406 | 40 |
| Pyrene | 8.42 | | 0.562 | ug/L | 10.0 | | 84.2 | 60-140 | 1.94 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.8* | *ug/L* | *10.0* | | *108* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.2* | *ug/L* | *20.0* | | *111* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.7* | *ug/L* | *20.0* | | *98.7* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.5* | *ug/L* | *10.0* | | *105* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.4* | *ug/L* | *20.0* | | *102* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.93* | *ug/L* | *10.0* | | *99.3* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3255-BSD3)** | | | | | Prepared: 2/24/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.13 | | 0.562 | ug/L | 10.0 | | 81.3 | 60-140 | 4.23 | 40 |
| bis(2-Chloroethyl) ether | 11.1 | | 0.562 | ug/L | 10.0 | | 111 | 60-140 | 6.99 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.95* | *ug/L* | *10.0* | | *99.5* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.8* | *ug/L* | *20.0* | | *104* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.7* | *ug/L* | *20.0* | | *93.5* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.7* | *ug/L* | *10.0* | | *117* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *28.8* | *ug/L* | *20.0* | | *144* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.31* | *ug/L* | *10.0* | | *93.2* | *51.9-147* | | |
| **MDL BENZ (BFB3255-MRL1)** | | | | | Prepared: 2/24/2022 Analyzed: 3/24/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.559 | U | 0.559 | ug/L | 0.497 | | | 50-150 | | |
| Benzidine | <0.559 | U | 0.559 | ug/L | 0.497 | | | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *8.97* | *ug/L* | *9.94* | | *90.2* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *14.5* | *ug/L* | *19.9* | | *73.1* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.2* | *ug/L* | *19.9* | | *91.8* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.17* | *ug/L* | *9.94* | | *92.2* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.9* | *ug/L* | *19.9* | | *95.2* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.00* | *ug/L* | *9.94* | | *80.5* | *51.9-147* | | |
| **MDL SV (BFB3255-MRL2)** | | | | | Prepared: 2/24/2022 Analyzed: 3/2/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 0.599 | | 0.561 | ug/L | 0.499 | | 120 | 50-150 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 0.329 | J | 0.561 | ug/L | 0.499 | | 65.9 | 50-150 | | |
| 1,2-Diphenylhydrazine | 0.377 | J | 0.561 | ug/L | 0.499 | | 75.7 | 50-150 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 0.326 | J | 0.561 | ug/L | 0.499 | | 65.3 | 50-150 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 0.446 | J | 0.561 | ug/L | 0.499 | | 89.4 | 50-150 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 0.555 | J | 0.561 | ug/L | 0.499 | | 111 | 50-150 | | |
| 2,4,6-Trichlorophenol | 1.31 | | 1.12 | ug/L | 0.998 | | 131 | 50-150 | | |
| 2,4-Dichlorophenol | 1.41 | | 0.561 | ug/L | 0.998 | | 142 | 50-150 | | |
| 2,4-Dimethylphenol | 1.32 | | 1.12 | ug/L | 0.998 | | 132 | 50-150 | | |
| 2,4-Dinitrophenol | <4.49 | U | 4.49 | ug/L | 2.49 | | | 50-150 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <1.12 | CQc, R, U | 1.12 | ug/L | 0.499 | | | 50-150 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 1.77 | | 0.561 | ug/L | 0.499 | | 355 | 50-150 | | |
| 2-Chloronaphthalene | 0.454 | J | 0.561 | ug/L | 0.499 | | 91.0 | 50-150 | | |
| 2-Chlorophenol | 1.18 | | 1.12 | ug/L | 0.998 | | 118 | 50-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 1.01 | J | 1.12 | ug/L | 0.998 | | 101 | 50-150 | | |
| 2-Nitrophenol | 1.06 | J | 1.12 | ug/L | 0.998 | | 106 | 50-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 0.387 | J | 0.561 | ug/L | 0.499 | | 77.6 | 50-150 | | |
| 4-Chloro-3-methylphenol | 1.67 | | 1.12 | ug/L | 0.998 | | 167 | 50-150 | | |
| 4-Chlorophenyl phenylether | 0.595 | | 0.561 | ug/L | 0.499 | | 119 | 50-150 | | |
| 4-Nitrophenol | <4.49 | U | 4.49 | ug/L | 2.49 | | | 50-150 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFB3255-MRL2)** | | | | | Prepared: 2/24/2022 Analyzed: 3/2/2022 | | | | | |
| Acenaphthene | 0.496 | J | 0.561 | ug/L | 0.499 | | 99.4 | 50-150 | | |
| Acenaphthylene | 0.619 | | 0.561 | ug/L | 0.499 | | 124 | 50-150 | | |
| Anthracene | 0.605 | | 0.561 | ug/L | 0.499 | | 121 | 50-150 | | |
| Benzo(a)anthracene | 0.530 | J | 0.561 | ug/L | 0.499 | | 106 | 50-150 | | |
| Benzo(a)pyrene | 0.510 | J | 0.561 | ug/L | 0.499 | | 102 | 50-150 | | |
| benzo(b&k)fluoranthene | 0.970 | | 0.561 | ug/L | 0.998 | | 97.2 | 50-150 | | |
| Benzo(g,h,i)perylene | 0.494 | J | 0.561 | ug/L | 0.499 | | 99.1 | 50-150 | | |
| bis(2-Chloroethoxy)methane | 0.459 | J | 0.561 | ug/L | 0.499 | | 92.0 | 50-150 | | |
| bis(2-Chloroethyl) ether | 0.369 | CQa, R, J | 0.561 | ug/L | 0.499 | | 74.0 | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 0.823 | | 0.561 | ug/L | 0.499 | | 165 | 50-150 | | |
| Butyl benzyl phthalate | 0.766 | | 0.561 | ug/L | 0.499 | | 154 | 50-150 | | |
| Chrysene | 0.443 | J | 0.561 | ug/L | 0.499 | | 88.9 | 50-150 | | |
| Dibenzo(a,h)anthracene | 0.357 | J | 0.561 | ug/L | 0.499 | | 71.6 | 50-150 | | |
| Diethyl phthalate | 0.400 | J | 0.561 | ug/L | 0.499 | | 80.3 | 50-150 | | |
| Dimethyl phthalate | 0.483 | J | 0.561 | ug/L | 0.499 | | 96.9 | 50-150 | | |
| Di-n-butyl phthalate | 5.78 | | 0.561 | ug/L | 0.499 | | NR | 50-150 | | |
| Di-n-octyl phthalate | 0.400 | J | 0.561 | ug/L | 0.499 | | 80.1 | 50-150 | | |
| Fluoranthene | <0.561 | U | 0.561 | ug/L | 0.499 | | | 50-150 | | |
| Fluorene | 0.442 | J | 0.561 | ug/L | 0.499 | | 88.5 | 50-150 | | |
| Hexachlorobenzene | 0.622 | | 0.561 | ug/L | 0.499 | | 125 | 50-150 | | |
| Hexachlorobutadiene | <0.561 | U | 0.561 | ug/L | 0.499 | | | 50-150 | | |
| Hexachlorocyclopentadiene | 0.328 | J | 0.561 | ug/L | 0.499 | | 65.7 | 50-150 | | |
| Hexachloroethane | 0.880 | | 0.561 | ug/L | 0.499 | | 176 | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | 0.363 | J | 0.561 | ug/L | 0.499 | | 72.8 | 50-150 | | |
| Isophorone | 0.445 | J | 0.561 | ug/L | 0.499 | | 89.2 | 50-150 | | |
| Naphthalene | 0.490 | J | 0.561 | ug/L | 0.499 | | 98.2 | 50-150 | | |
| Nitrobenzene | 0.447 | J | 0.561 | ug/L | 0.499 | | 89.6 | 50-150 | | |
| n-Nitrosodimethylamine | 1.32 | J | 2.24 | ug/L | 2.49 | | 52.9 | 50-150 | | |
| n-Nitrosodi-n-propylamine | 0.523 | J | 0.561 | ug/L | 0.499 | | 105 | 50-150 | | |
| n-Nitrosodiphenylamine | 0.488 | J | 0.561 | ug/L | 0.499 | | 97.9 | 50-150 | | |
| Pentachlorophenol | 0.857 | J | 1.12 | ug/L | 0.998 | | 85.9 | 50-150 | | |
| Phenanthrene | 0.431 | J | 0.561 | ug/L | 0.499 | | 86.3 | 50-150 | | |
| Phenol, Total | 1.21 | | 1.12 | ug/L | 0.998 | | 122 | 50-150 | | |
| Pyrene | 0.593 | | 0.561 | ug/L | 0.499 | | 119 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.44* | *ug/L* | *9.98* | | *94.6* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *19.8* | *ug/L* | *20.0* | | *99.3* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.3* | *ug/L* | *20.0* | | *96.8* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.20* | *ug/L* | *9.98* | | *92.2* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *19.2* | *ug/L* | *20.0* | | *96.3* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.5* | *ug/L* | *9.98* | | *106* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MRL Check (BFB3255-MRL3)** | | | | | Prepared: 2/24/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 0.500 | J | 0.561 | ug/L | 0.499 | | 100 | 50-150 | | |
| bis(2-Chloroethyl) ether | 0.589 | | 0.561 | ug/L | 0.499 | | 118 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.04* | *ug/L* | *9.98* | | *90.6* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.0* | *ug/L* | *20.0* | | *100* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *14.7* | *ug/L* | *20.0* | | *73.7* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.9* | *ug/L* | *9.98* | | *109* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *26.7* | *ug/L* | *20.0* | | *134* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.20* | *ug/L* | *9.98* | | *92.2* | *51.9-147* | | |
| **Matrix Spike (BFB3255-MS1)** | | **Source: 22A3944-10** | | | Prepared: 2/24/2022 Analyzed: 3/3/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.64 | | 0.555 | ug/L | 9.87 | <0.555 | 77.4 | 35.3-142 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 6.93 | | 0.555 | ug/L | 9.87 | <0.555 | 70.2 | 31.4-142 | | |
| 1,2-Diphenylhydrazine | 7.55 | | 0.555 | ug/L | 9.87 | <0.555 | 76.4 | 48.9-156 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.47 | | 0.555 | ug/L | 9.87 | <0.555 | 65.6 | 30.5-135 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.95 | | 0.555 | ug/L | 9.87 | <0.555 | 80.6 | 37.2-133 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 9.11 | | 0.555 | ug/L | 9.87 | <0.555 | 92.3 | 41.7-151 | | |
| 2,4,6-Trichlorophenol | 16.5 | | 1.11 | ug/L | 19.7 | <1.11 | 83.5 | 34.7-143 | | |
| 2,4-Dichlorophenol | 27.6 | | 0.555 | ug/L | 19.7 | <0.555 | 140 | 42.7-158 | | |
| 2,4-Dimethylphenol | 20.2 | | 1.11 | ug/L | 19.7 | <1.11 | 102 | 38.4-170 | | |
| 2,4-Dinitrophenol | 43.3 | | 4.44 | ug/L | 49.4 | <4.44 | 87.7 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 7.02 | CQc, R | 1.11 | ug/L | 9.87 | <1.11 | 71.2 | 50.3-144 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 9.79 | | 0.555 | ug/L | 9.87 | <0.555 | 99.1 | 43.7-157 | | |
| 2-Chloronaphthalene | 8.80 | | 0.555 | ug/L | 9.87 | <0.555 | 89.1 | 27.4-158 | | |
| 2-Chlorophenol | 20.2 | | 1.11 | ug/L | 19.7 | <1.11 | 103 | 49.2-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 14.2 | | 1.11 | ug/L | 19.7 | <1.11 | 71.7 | 41.9-153 | | |
| 2-Nitrophenol | 18.7 | | 1.11 | ug/L | 19.7 | <1.11 | 94.7 | 51.9-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 7.66 | | 0.555 | ug/L | 9.87 | <0.555 | 77.6 | 45.2-146 | | |
| 4-Chloro-3-methylphenol | 20.0 | | 1.11 | ug/L | 19.7 | <1.11 | 101 | 46.9-147 | | |
| 4-Chlorophenyl phenylether | 8.46 | | 0.555 | ug/L | 9.87 | <0.555 | 85.7 | 44.5-143 | | |
| 4-Nitrophenol | 43.5 | | 4.44 | ug/L | 49.4 | <4.44 | 88.0 | 2-173 | | |
| Acenaphthene | 7.97 | | 0.555 | ug/L | 9.87 | <0.555 | 80.7 | 47.3-149 | | |
| Acenaphthylene | 7.80 | | 0.555 | ug/L | 9.87 | <0.555 | 79.0 | 56.5-173 | | |
| Anthracene | 10.5 | | 0.555 | ug/L | 9.87 | <0.555 | 106 | 49.7-160 | | |
| Benzo(a)anthracene | 8.00 | | 0.555 | ug/L | 9.87 | <0.555 | 81.0 | 41.7-151 | | |
| Benzo(a)pyrene | 7.18 | | 0.555 | ug/L | 9.87 | <0.555 | 72.8 | 45.4-133 | | |
| benzo(b&k)fluoranthene | 14.3 | | 0.555 | ug/L | 19.7 | <0.555 | 72.5 | 55.3-137 | | |
| Benzo(g,h,i)perylene | 6.66 | | 0.555 | ug/L | 9.87 | <0.555 | 67.5 | 37.9-152 | | |
| bis(2-Chloroethoxy)methane | 8.43 | | 0.555 | ug/L | 9.87 | <0.555 | 85.4 | 40.1-151 | | |
| bis(2-Chloroethyl) ether | 7.41 | CQa, R | 0.555 | ug/L | 9.87 | <0.555 | 75.0 | 45.9-163 | | |
| Bis(2-ethylhexyl )phthalate | 7.53 | | 0.555 | ug/L | 9.87 | <0.555 | 76.2 | 38.3-135 | | |
| Butyl benzyl phthalate | 9.33 | | 0.555 | ug/L | 9.87 | <0.555 | 94.6 | 41.1-148 | | |
| Chrysene | 9.02 | | 0.555 | ug/L | 9.87 | <0.555 | 91.4 | 51-147 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3255-MS1)** | | **Source: 22A3944-10** | | | Prepared: 2/24/2022 Analyzed: 3/3/2022 | | | | | |
| Dibenzo(a,h)anthracene | 6.31 | | 0.555 | ug/L | 9.87 | <0.555 | 63.9 | 27.5-156 | | |
| Diethyl phthalate | 9.15 | | 0.555 | ug/L | 9.87 | <0.555 | 92.7 | 53.4-146 | | |
| Dimethyl phthalate | 7.85 | | 0.555 | ug/L | 9.87 | <0.555 | 79.6 | 53-151 | | |
| Di-n-butyl phthalate | 8.61 | | 0.555 | ug/L | 9.87 | <0.555 | 87.2 | 25.4-168 | | |
| Di-n-octyl phthalate | 6.63 | | 0.555 | ug/L | 9.87 | <0.555 | 67.2 | 39.2-123 | | |
| Fluoranthene | 9.53 | | 0.555 | ug/L | 9.87 | <0.555 | 96.6 | 45.3-156 | | |
| Fluorene | 8.92 | | 0.555 | ug/L | 9.87 | <0.555 | 90.4 | 56.3-145 | | |
| Hexachlorobenzene | 7.82 | | 0.555 | ug/L | 9.87 | <0.555 | 79.2 | 56.1-137 | | |
| Hexachlorobutadiene | 4.60 | | 0.555 | ug/L | 9.87 | <0.555 | 46.6 | 33.1-110 | | |
| Hexachlorocyclopentadiene | 6.18 | | 0.555 | ug/L | 9.87 | <0.555 | 62.6 | 2-179 | | |
| Hexachloroethane | 6.00 | | 0.555 | ug/L | 9.87 | <0.555 | 60.8 | 36.2-106 | | |
| Indeno(1,2,3-cd) pyrene | 6.63 | | 0.555 | ug/L | 9.87 | <0.555 | 67.2 | 33.4-153 | | |
| Isophorone | 9.73 | | 0.555 | ug/L | 9.87 | <0.555 | 98.5 | 43.3-154 | | |
| Naphthalene | 8.79 | | 0.555 | ug/L | 9.87 | <0.555 | 89.1 | 45.1-153 | | |
| Nitrobenzene | 8.96 | | 0.555 | ug/L | 9.87 | <0.555 | 90.8 | 54.9-156 | | |
| n-Nitrosodimethylamine | 3.99 | | 2.22 | ug/L | 49.4 | <2.22 | 8.08 | 2-56.4 | | |
| n-Nitrosodi-n-propylamine | 9.31 | | 0.555 | ug/L | 9.87 | <0.555 | 94.3 | 38.3-160 | | |
| n-Nitrosodiphenylamine | 7.66 | | 0.555 | ug/L | 9.87 | <0.555 | 77.6 | 38.1-163 | | |
| Pentachlorophenol | 17.5 | | 1.11 | ug/L | 19.7 | <1.11 | 88.6 | 42.2-151 | | |
| Phenanthrene | 8.04 | | 0.555 | ug/L | 9.87 | <0.555 | 81.4 | 45.3-165 | | |
| Phenol, Total | 20.4 | | 1.11 | ug/L | 19.7 | <1.11 | 103 | 39.8-164 | | |
| Pyrene | 7.84 | | 0.555 | ug/L | 9.87 | <0.555 | 79.4 | 46.3-149 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.7* | *ug/L* | *9.87* | | *108* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.8* | *ug/L* | *19.7* | | *115* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.0* | *ug/L* | *19.7* | | *101* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.2* | *ug/L* | *9.87* | | *103* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.0* | *ug/L* | *19.7* | | *112* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.22* | *ug/L* | *9.87* | | *83.2* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3255-MS2)** | | **Source: 22A3944-10RE1** | | | Prepared: 2/24/2022 Analyzed: 3/22/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.28 | | 0.555 | ug/L | 9.87 | <0.555 | 83.9 | 50.3-144 | | |
| bis(2-Chloroethyl) ether | 11.0 | | 0.555 | ug/L | 9.87 | <0.555 | 111 | 45.9-163 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.3* | *ug/L* | *9.87* | | *104* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.6* | *ug/L* | *19.7* | | *109* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.8* | *ug/L* | *19.7* | | *105* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.6* | *ug/L* | *9.87* | | *117* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *30.8* | *ug/L* | *19.7* | | *156* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.74* | *ug/L* | *9.87* | | *78.4* | *51.9-147* | | |
| **Matrix Spike Dup (BFB3255-MSD1)** | | **Source: 22A3944-10** | | | Prepared: 2/24/2022 Analyzed: 3/3/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.60 | | 0.557 | ug/L | 9.90 | <0.557 | 76.8 | 35.3-142 | 0.475 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 7.05 | | 0.557 | ug/L | 9.90 | <0.557 | 71.2 | 31.4-142 | 1.66 | 40 |
| 1,2-Diphenylhydrazine | 8.28 | | 0.557 | ug/L | 9.90 | <0.557 | 83.7 | 48.9-156 | 9.33 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.27 | | 0.557 | ug/L | 9.90 | <0.557 | 63.4 | 30.5-135 | 3.18 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.61 | | 0.557 | ug/L | 9.90 | <0.557 | 76.9 | 37.2-133 | 4.35 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 9.05 | | 0.557 | ug/L | 9.90 | <0.557 | 91.4 | 41.7-151 | 0.719 | 40 |
| 2,4,6-Trichlorophenol | 20.2 | | 1.11 | ug/L | 19.8 | <1.11 | 102 | 34.7-143 | 20.2 | 40 |
| 2,4-Dichlorophenol | 22.3 | | 0.557 | ug/L | 19.8 | <0.557 | 113 | 42.7-158 | 21.1 | 40 |
| 2,4-Dimethylphenol | 23.6 | | 1.11 | ug/L | 19.8 | <1.11 | 119 | 38.4-170 | 15.6 | 40 |
| 2,4-Dinitrophenol | 42.1 | | 4.45 | ug/L | 49.5 | <4.45 | 85.0 | 60-140 | 2.88 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.54 | CQc, R | 1.11 | ug/L | 9.90 | <1.11 | 86.2 | 50.3-144 | 19.4 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 6.69 | | 0.557 | ug/L | 9.90 | <0.557 | 67.6 | 43.7-157 | 37.5 | 40 |
| 2-Chloronaphthalene | 9.17 | | 0.557 | ug/L | 9.90 | <0.557 | 92.6 | 27.4-158 | 4.13 | 40 |
| 2-Chlorophenol | 16.9 | | 1.11 | ug/L | 19.8 | <1.11 | 85.2 | 49.2-150 | 18.2 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 18.3 | | 1.11 | ug/L | 19.8 | <1.11 | 92.2 | 41.9-153 | 25.3 | 40 |
| 2-Nitrophenol | 22.0 | | 1.11 | ug/L | 19.8 | <1.11 | 111 | 51.9-150 | 16.0 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 7.73 | | 0.557 | ug/L | 9.90 | <0.557 | 78.1 | 45.2-146 | 0.966 | 40 |
| 4-Chloro-3-methylphenol | 21.7 | | 1.11 | ug/L | 19.8 | <1.11 | 110 | 46.9-147 | 7.95 | 40 |
| 4-Chlorophenyl phenylether | 8.62 | | 0.557 | ug/L | 9.90 | <0.557 | 87.1 | 44.5-143 | 1.80 | 40 |
| 4-Nitrophenol | 56.1 | | 4.45 | ug/L | 49.5 | <4.45 | 113 | 2-173 | 25.5 | 40 |
| Acenaphthene | 8.70 | | 0.557 | ug/L | 9.90 | <0.557 | 87.9 | 47.3-149 | 8.80 | 40 |
| Acenaphthylene | 8.58 | | 0.557 | ug/L | 9.90 | <0.557 | 86.7 | 56.5-173 | 9.59 | 40 |
| Anthracene | 8.15 | | 0.557 | ug/L | 9.90 | <0.557 | 82.3 | 49.7-160 | 25.0 | 40 |
| Benzo(a)anthracene | 7.22 | | 0.557 | ug/L | 9.90 | <0.557 | 73.0 | 41.7-151 | 10.2 | 40 |
| Benzo(a)pyrene | 7.52 | | 0.557 | ug/L | 9.90 | <0.557 | 76.0 | 45.4-133 | 4.60 | 40 |
| benzo(b&k)fluoranthene | 12.9 | | 0.557 | ug/L | 19.8 | <0.557 | 65.4 | 55.3-137 | 10.1 | 40 |
| Benzo(g,h,i)perylene | 6.95 | | 0.557 | ug/L | 9.90 | <0.557 | 70.2 | 37.9-152 | 4.24 | 40 |
| bis(2-Chloroethoxy)methane | 8.87 | | 0.557 | ug/L | 9.90 | <0.557 | 89.6 | 40.1-151 | 5.16 | 40 |
| bis(2-Chloroethyl) ether | 10.3 | CQa, R | 0.557 | ug/L | 9.90 | <0.557 | 104 | 45.9-163 | 32.2 | 40 |
| Bis(2-ethylhexyl )phthalate | 6.52 | | 0.557 | ug/L | 9.90 | <0.557 | 65.8 | 38.3-135 | 14.4 | 40 |
| Butyl benzyl phthalate | 7.84 | | 0.557 | ug/L | 9.90 | <0.557 | 79.2 | 41.1-148 | 17.4 | 40 |
| Chrysene | 7.71 | | 0.557 | ug/L | 9.90 | <0.557 | 77.9 | 51-147 | 15.7 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB3255-MSD1)** | | **Source: 22A3944-10** | | | Prepared: 2/24/2022 Analyzed: 3/3/2022 | | | | | |
| Dibenzo(a,h)anthracene | 6.74 | | 0.557 | ug/L | 9.90 | <0.557 | 68.1 | 27.5-156 | 6.62 | 40 |
| Diethyl phthalate | 8.33 | | 0.557 | ug/L | 9.90 | <0.557 | 84.1 | 53.4-146 | 9.36 | 40 |
| Dimethyl phthalate | 9.09 | | 0.557 | ug/L | 9.90 | <0.557 | 91.9 | 53-151 | 14.6 | 40 |
| Di-n-butyl phthalate | 8.26 | | 0.557 | ug/L | 9.90 | <0.557 | 83.5 | 25.4-168 | 4.15 | 40 |
| Di-n-octyl phthalate | 6.23 | | 0.557 | ug/L | 9.90 | <0.557 | 62.9 | 39.2-123 | 6.27 | 40 |
| Fluoranthene | 7.86 | | 0.557 | ug/L | 9.90 | <0.557 | 79.4 | 45.3-156 | 19.2 | 40 |
| Fluorene | 9.99 | | 0.557 | ug/L | 9.90 | <0.557 | 101 | 56.3-145 | 11.4 | 40 |
| Hexachlorobenzene | 8.96 | | 0.557 | ug/L | 9.90 | <0.557 | 90.5 | 56.1-137 | 13.5 | 40 |
| Hexachlorobutadiene | 5.94 | | 0.557 | ug/L | 9.90 | <0.557 | 60.1 | 33.1-110 | 25.4 | 40 |
| Hexachlorocyclopentadiene | 5.62 | | 0.557 | ug/L | 9.90 | <0.557 | 56.8 | 2-179 | 9.57 | 40 |
| Hexachloroethane | 6.59 | | 0.557 | ug/L | 9.90 | <0.557 | 66.6 | 36.2-106 | 9.29 | 40 |
| Indeno(1,2,3-cd) pyrene | 6.97 | | 0.557 | ug/L | 9.90 | <0.557 | 70.4 | 33.4-153 | 4.96 | 40 |
| Isophorone | 9.32 | | 0.557 | ug/L | 9.90 | <0.557 | 94.2 | 43.3-154 | 4.26 | 40 |
| Naphthalene | 9.03 | | 0.557 | ug/L | 9.90 | <0.557 | 91.3 | 45.1-153 | 2.71 | 40 |
| Nitrobenzene | 9.06 | | 0.557 | ug/L | 9.90 | <0.557 | 91.6 | 54.9-156 | 1.15 | 40 |
| n-Nitrosodimethylamine | 3.25 | | 2.23 | ug/L | 49.5 | <2.23 | 6.56 | 2-56.4 | 20.5 | 40 |
| n-Nitrosodi-n-propylamine | 9.20 | | 0.557 | ug/L | 9.90 | <0.557 | 93.0 | 38.3-160 | 1.09 | 40 |
| n-Nitrosodiphenylamine | 6.04 | | 0.557 | ug/L | 9.90 | <0.557 | 61.0 | 38.1-163 | 23.6 | 40 |
| Pentachlorophenol | 20.5 | | 1.11 | ug/L | 19.8 | <1.11 | 104 | 42.2-151 | 16.0 | 40 |
| Phenanthrene | 8.57 | | 0.557 | ug/L | 9.90 | <0.557 | 86.6 | 45.3-165 | 6.46 | 40 |
| Phenol, Total | 19.5 | | 1.11 | ug/L | 19.8 | <1.11 | 98.6 | 39.8-164 | 4.24 | 40 |
| Pyrene | 8.47 | | 0.557 | ug/L | 9.90 | <0.557 | 85.6 | 46.3-149 | 7.77 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.2* | *ug/L* | *9.90* | | *103* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.8* | *ug/L* | *19.8* | | *110* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.3* | *ug/L* | *19.8* | | *103* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.5* | *ug/L* | *9.90* | | *106* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.8* | *ug/L* | *19.8* | | *105* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.84* | *ug/L* | *9.90* | | *89.3* | *51.9-147* | | |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3255 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB3255-MSD2)** | **Source: 22A3944-10RE1** | | Prepared: 2/24/2022 Analyzed: 3/22/2022 | | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.53 | | 0.557 | ug/L | 9.90 | <0.557 | 86.2 | 50.3-144 | 2.96 | 40 |
| bis(2-Chloroethyl) ether | 10.0 | | 0.557 | ug/L | 9.90 | <0.557 | 101 | 45.9-163 | 9.47 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.59* | *ug/L* | *9.90* | | *96.9* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.7* | *ug/L* | *19.8* | | *105* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.8* | *ug/L* | *19.8* | | *99.8* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.7* | *ug/L* | *9.90* | | *119* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.7* | *ug/L* | *19.8* | | *140* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.65* | *ug/L* | *9.90* | | *77.3* | *51.9-147* | | |

### *Batch: BFB3398 - SW-3570*

| Analyte | Result | Qual | Reporting Limit | Units |
|---|---|---|---|---|
| **Blank (BFB3398-BLK1)** | | | Prepared: 2/25/2022 Analyzed: 3/4/2022 | |
| 1,2,4-Trichlorobenzene | <2.33 | U | 2.33 | ug/kg wet |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <2.33 | U | 2.33 | ug/kg wet |
| 1,2-Diphenylhydrazine | <2.33 | U | 2.33 | ug/kg wet |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <2.33 | U | 2.33 | ug/kg wet |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <2.33 | U | 2.33 | ug/kg wet |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <2.33 | U | 2.33 | ug/kg wet |
| 2,4,6-Trichlorophenol | <4.65 | U | 4.65 | ug/kg wet |
| 2,4-Dichlorophenol | <4.65 | U | 4.65 | ug/kg wet |
| 2,4-Dimethylphenol | <4.65 | U | 4.65 | ug/kg wet |
| 2,4-Dinitrophenol | <4.65 | U | 4.65 | ug/kg wet |
| 2-Chloronaphthalene | <2.33 | U | 2.33 | ug/kg wet |
| 2-Chlorophenol | <4.65 | U | 4.65 | ug/kg wet |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <18.6 | U | 18.6 | ug/kg wet |
| 2-Nitrophenol | <4.65 | U | 4.65 | ug/kg wet |
| 4-Bromophenyl phenyl ether (BDE-3) | <2.33 | U | 2.33 | ug/kg wet |
| 4-Chloro-3-methylphenol | <4.65 | U | 4.65 | ug/kg wet |
| 4-Chlorophenyl phenylether | <2.33 | U | 2.33 | ug/kg wet |
| 4-Nitrophenol | <2.33 | U | 2.33 | ug/kg wet |
| Acenaphthene | <2.33 | U | 2.33 | ug/kg wet |
| Acenaphthylene | <2.33 | U | 2.33 | ug/kg wet |
| Anthracene | <2.33 | U | 2.33 | ug/kg wet |
| Benzo(a)anthracene | <2.33 | U | 2.33 | ug/kg wet |
| Benzo(a)pyrene | <2.33 | U | 2.33 | ug/kg wet |
| benzo(b&k)fluoranthene | <2.33 | U | 2.33 | ug/kg wet |
| Benzo(g,h,i)perylene | <2.33 | U | 2.33 | ug/kg wet |
| bis(2-Chloroethoxy)methane | <2.33 | U | 2.33 | ug/kg wet |
| Bis(2-ethylhexyl )phthalate | 1.88 | J | 2.33 | ug/kg wet |
| Butyl benzyl phthalate | <2.33 | U | 2.33 | ug/kg wet |
| Chrysene | <2.33 | U | 2.33 | ug/kg wet |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BFB3398-BLK1)** | | | | Prepared: 2/25/2022 Analyzed: 3/4/2022 | | | | | | |
| Dibenzo(a,h)anthracene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Diethyl phthalate | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Dimethyl phthalate | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Di-n-butyl phthalate | 9.62 | | 2.33 | ug/kg wet | | | | | | |
| Di-n-octyl phthalate | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Fluoranthene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Fluorene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Hexachlorobenzene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Hexachlorobutadiene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Hexachlorocyclopentadiene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Hexachloroethane | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Indeno(1,2,3-cd) pyrene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Isophorone | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Naphthalene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Nitrobenzene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| n-Nitrosodimethylamine | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| n-Nitrosodi-n-propylamine | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| n-Nitrosodiphenylamine | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Pentachlorophenol | <4.65 | U | 4.65 | ug/kg wet | | | | | | |
| Phenanthrene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Phenol, Total | <4.65 | U | 4.65 | ug/kg wet | | | | | | |
| Pyrene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *15.9* | *ug/kg wet* | *18.6* | | *85.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *30.9* | *ug/kg wet* | *37.2* | | *82.9* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *28.7* | *ug/kg wet* | *37.2* | | *77.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.1* | *ug/kg wet* | *18.6* | | *97.5* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *29.7* | *ug/kg wet* | *37.2* | | *79.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *19.2* | *ug/kg wet* | *18.6* | | *103* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BFB3398-BLK2)** | | | | Prepared: 2/25/2022 Analyzed: 3/11/2022 | | | | | | |
| 2,4-Dichlorophenol | <4.65 | U | 4.65 | ug/kg wet | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| 2-Chlorophenol | <4.65 | U | 4.65 | ug/kg wet | | | | | | |
| Acenaphthene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Acenaphthylene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Anthracene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Benzo(a)anthracene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Benzo(a)pyrene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| benzo(b&k)fluoranthene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Benzo(g,h,i)perylene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| bis(2-Chloroethyl) ether | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Chrysene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Di-n-octyl phthalate | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Fluoranthene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Fluorene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Indeno(1,2,3-cd) pyrene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Naphthalene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| n-Nitrosodiphenylamine | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Phenanthrene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Pyrene | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.6* | *ug/kg wet* | *18.6* | | *78.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *34.7* | *ug/kg wet* | *37.2* | | *93.2* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *22.4* | *ug/kg wet* | *37.2* | | *60.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.7* | *ug/kg wet* | *18.6* | | *95.3* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *35.4* | *ug/kg wet* | *37.2* | | *95.1* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *16.0* | *ug/kg wet* | *18.6* | | *86.0* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BFB3398-BLK3)** | | | | Prepared: 2/25/2022 Analyzed: 3/31/2022 | | | | | | |
| 3,3'-Dichlorobenzidine | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| Benzidine | <2.33 | U | 2.33 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *11.8* | *ug/kg wet* | *18.6* | | *63.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *22.3* | *ug/kg wet* | *37.2* | | *59.8* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *22.9* | *ug/kg wet* | *37.2* | | *61.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *19.2* | *ug/kg wet* | *18.6* | | *103* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *26.5* | *ug/kg wet* | *37.2* | | *71.2* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.9* | *ug/kg wet* | *18.6* | | *79.8* | *60-140* | | |
| **LCS (BFB3398-BS1)** | | | | Prepared: 2/25/2022 Analyzed: 3/31/2022 | | | | | | |
| 3,3'-Dichlorobenzidine | 7.76 | J1 | 2.35 | ug/kg wet | 18.8 | | 41.3 | 60-140 | | |
| Benzidine | <2.35 | J1, U | 2.35 | ug/kg wet | 18.8 | | | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *10.7* | *ug/kg wet* | *18.8* | | *56.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *25.9* | *ug/kg wet* | *37.6* | | *69.0* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *25.2* | *ug/kg wet* | *37.6* | | *67.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.0* | *ug/kg wet* | *18.8* | | *90.3* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *29.5* | *ug/kg wet* | *37.6* | | *78.7* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.6* | *ug/kg wet* | *18.8* | | *77.8* | *60-140* | | |
| **LCS (BFB3398-BS2)** | | | | Prepared: 2/25/2022 Analyzed: 3/4/2022 | | | | | | |
| 1,2,4-Trichlorobenzene | 10.5 | J1 | 2.31 | ug/kg wet | 18.5 | | 57.0 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.79 | J1 | 2.31 | ug/kg wet | 18.5 | | 47.6 | 60-140 | | |
| 1,2-Diphenylhydrazine | 13.3 | | 2.31 | ug/kg wet | 18.5 | | 71.7 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 7.19 | J1 | 2.31 | ug/kg wet | 18.5 | | 38.9 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 9.43 | J1 | 2.31 | ug/kg wet | 18.5 | | 51.0 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 12.2 | | 2.31 | ug/kg wet | 18.5 | | 66.0 | 60-140 | | |
| 2,4,6-Trichlorophenol | 33.2 | | 4.62 | ug/kg wet | 37.0 | | 89.9 | 60-140 | | |
| 2,4-Dichlorophenol | 49.4 | J1 | 4.62 | ug/kg wet | 37.0 | | 134 | 60-140 | | |
| 2,4-Dimethylphenol | 35.7 | | 4.62 | ug/kg wet | 37.0 | | 96.5 | 60-140 | | |
| 2,4-Dinitrophenol | 24.2 | | 4.62 | ug/kg wet | 92.4 | | 26.2 | 10-50.4 | | |
| 2-Chloronaphthalene | 13.8 | | 2.31 | ug/kg wet | 18.5 | | 74.5 | 60-140 | | |
| 2-Chlorophenol | 45.1 | | 4.62 | ug/kg wet | 37.0 | | 122 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 25.4 | | 18.5 | ug/kg wet | 37.0 | | 68.8 | 60-140 | | |
| 2-Nitrophenol | 28.4 | | 4.62 | ug/kg wet | 37.0 | | 76.8 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 14.0 | | 2.31 | ug/kg wet | 18.5 | | 75.6 | 60-140 | | |
| 4-Chloro-3-methylphenol | 33.9 | | 4.62 | ug/kg wet | 37.0 | | 91.6 | 60-140 | | |
| 4-Chlorophenyl phenylether | 13.5 | | 2.31 | ug/kg wet | 18.5 | | 73.0 | 60-140 | | |
| 4-Nitrophenol | 97.3 | | 2.31 | ug/kg wet | 92.4 | | 105 | 60-140 | | |
| Acenaphthene | 12.3 | | 2.31 | ug/kg wet | 18.5 | | 66.8 | 60-140 | | |
| Acenaphthylene | 13.1 | | 2.31 | ug/kg wet | 18.5 | | 70.6 | 60-140 | | |
| Anthracene | 15.7 | | 2.31 | ug/kg wet | 18.5 | | 85.0 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3398-BS2)** | | | | | Prepared: 2/25/2022 Analyzed: 3/4/2022 | | | | | |
| Benzo(a)anthracene | 14.0 | | 2.31 | ug/kg wet | 18.5 | | 75.8 | 60-140 | | |
| Benzo(a)pyrene | 15.0 | | 2.31 | ug/kg wet | 18.5 | | 81.2 | 60-140 | | |
| benzo(b&k)fluoranthene | 31.2 | | 2.31 | ug/kg wet | 37.0 | | 84.4 | 60-140 | | |
| Benzo(g,h,i)perylene | 14.9 | | 2.31 | ug/kg wet | 18.5 | | 80.6 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 13.8 | | 2.31 | ug/kg wet | 18.5 | | 74.9 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 18.5 | | 2.31 | ug/kg wet | 18.5 | | 100 | 60-140 | | |
| Butyl benzyl phthalate | 15.8 | | 2.31 | ug/kg wet | 18.5 | | 85.4 | 60-140 | | |
| Chrysene | 16.5 | | 2.31 | ug/kg wet | 18.5 | | 89.1 | 60-140 | | |
| Dibenzo(a,h)anthracene | 14.0 | | 2.31 | ug/kg wet | 18.5 | | 76.0 | 60-140 | | |
| Diethyl phthalate | 13.2 | | 2.31 | ug/kg wet | 18.5 | | 71.4 | 60-140 | | |
| Dimethyl phthalate | 13.9 | | 2.31 | ug/kg wet | 18.5 | | 75.3 | 60-140 | | |
| Di-n-butyl phthalate | 12.2 | | 2.31 | ug/kg wet | 18.5 | | 66.1 | 60-140 | | |
| Di-n-octyl phthalate | 16.4 | | 2.31 | ug/kg wet | 18.5 | | 88.8 | 60-140 | | |
| Fluoranthene | 16.1 | | 2.31 | ug/kg wet | 18.5 | | 87.0 | 60-140 | | |
| Fluorene | 14.9 | | 2.31 | ug/kg wet | 18.5 | | 80.7 | 60-140 | | |
| Hexachlorobenzene | 13.7 | | 2.31 | ug/kg wet | 18.5 | | 74.3 | 60-140 | | |
| Hexachlorobutadiene | 9.23 | J1 | 2.31 | ug/kg wet | 18.5 | | 49.9 | 60-140 | | |
| Hexachlorocyclopentadiene | 11.8 | | 2.31 | ug/kg wet | 18.5 | | 64.0 | 60-140 | | |
| Hexachloroethane | 9.48 | J1 | 2.31 | ug/kg wet | 18.5 | | 51.3 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 14.9 | | 2.31 | ug/kg wet | 18.5 | | 80.7 | 60-140 | | |
| Isophorone | 14.2 | | 2.31 | ug/kg wet | 18.5 | | 76.7 | 60-140 | | |
| Naphthalene | 11.8 | | 2.31 | ug/kg wet | 18.5 | | 64.0 | 60-140 | | |
| Nitrobenzene | 14.1 | | 2.31 | ug/kg wet | 18.5 | | 76.4 | 60-140 | | |
| n-Nitrosodimethylamine | 36.4 | J1 | 2.31 | ug/kg wet | 92.4 | | 39.3 | 60-140 | | |
| n-Nitrosodi-n-propylamine | 14.0 | | 2.31 | ug/kg wet | 18.5 | | 75.6 | 60-140 | | |
| n-Nitrosodiphenylamine | 11.8 | | 2.31 | ug/kg wet | 18.5 | | 63.7 | 60-140 | | |
| Pentachlorophenol | 32.5 | | 4.62 | ug/kg wet | 37.0 | | 88.0 | 60-140 | | |
| Phenanthrene | 14.3 | | 2.31 | ug/kg wet | 18.5 | | 77.3 | 60-140 | | |
| Phenol, Total | 38.8 | | 4.62 | ug/kg wet | 37.0 | | 105 | 60-140 | | |
| Pyrene | 14.5 | | 2.31 | ug/kg wet | 18.5 | | 78.6 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *16.0* | *ug/kg wet* | *18.5* | | *86.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.5* | *ug/kg wet* | *37.0* | | *90.6* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *37.8* | *ug/kg wet* | *37.0* | | *102* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *14.8* | *ug/kg wet* | *18.5* | | *80.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *37.2* | *ug/kg wet* | *37.0* | | *100* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *18.1* | *ug/kg wet* | *18.5* | | *97.7* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3398-BS3)** | | | | | Prepared: 2/25/2022 Analyzed: 3/11/2022 | | | | | |
| 2,4-Dichlorophenol | 32.0 | | 4.62 | ug/kg wet | 37.0 | | 86.6 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 11.6 | | 2.31 | ug/kg wet | 18.5 | | 62.5 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 13.6 | | 2.31 | ug/kg wet | 18.5 | | 73.8 | 60-140 | | |
| 2-Chlorophenol | 26.0 | | 4.62 | ug/kg wet | 37.0 | | 70.3 | 60-140 | | |
| Acenaphthene | 14.2 | | 2.31 | ug/kg wet | 18.5 | | 77.0 | 60-140 | | |
| Acenaphthylene | 13.3 | | 2.31 | ug/kg wet | 18.5 | | 72.2 | 60-140 | | |
| Anthracene | 14.5 | | 2.31 | ug/kg wet | 18.5 | | 78.4 | 60-140 | | |
| Benzo(a)anthracene | 10.2 | J1 | 2.31 | ug/kg wet | 18.5 | | 55.2 | 60-140 | | |
| Benzo(a)pyrene | 16.2 | | 2.31 | ug/kg wet | 18.5 | | 87.8 | 60-140 | | |
| benzo(b&k)fluoranthene | 30.4 | | 2.31 | ug/kg wet | 37.0 | | 82.3 | 60-140 | | |
| Benzo(g,h,i)perylene | 13.6 | | 2.31 | ug/kg wet | 18.5 | | 73.7 | 60-140 | | |
| bis(2-Chloroethyl) ether | 17.4 | | 2.31 | ug/kg wet | 18.5 | | 94.0 | 60-140 | | |
| Chrysene | 14.6 | | 2.31 | ug/kg wet | 18.5 | | 78.7 | 60-140 | | |
| Di-n-octyl phthalate | 14.9 | | 2.31 | ug/kg wet | 18.5 | | 80.6 | 60-140 | | |
| Fluoranthene | 13.8 | | 2.31 | ug/kg wet | 18.5 | | 74.7 | 60-140 | | |
| Fluorene | 14.7 | | 2.31 | ug/kg wet | 18.5 | | 79.4 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 13.6 | | 2.31 | ug/kg wet | 18.5 | | 73.8 | 60-140 | | |
| Naphthalene | 12.6 | | 2.31 | ug/kg wet | 18.5 | | 68.4 | 60-140 | | |
| n-Nitrosodiphenylamine | 10.1 | J1 | 2.31 | ug/kg wet | 18.5 | | 54.8 | 60-140 | | |
| Phenanthrene | 14.2 | | 2.31 | ug/kg wet | 18.5 | | 77.1 | 60-140 | | |
| Pyrene | 14.3 | | 2.31 | ug/kg wet | 18.5 | | 77.1 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.1* | *ug/kg wet* | *18.5* | | *70.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.6* | *ug/kg wet* | *37.0* | | *90.9* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *26.6* | *ug/kg wet* | *37.0* | | *72.0* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.2* | *ug/kg wet* | *18.5* | | *87.8* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *32.4* | *ug/kg wet* | *37.0* | | *87.8* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.8* | *ug/kg wet* | *18.5* | | *79.9* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3398-BSD1)** | | | | | Prepared: 2/25/2022 Analyzed: 3/31/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 6.64 | J1 | 2.40 | ug/kg wet | 19.2 | | 34.6 | 60-140 | 15.4 | 40 |
| Benzidine | <2.40 | J1, U | 2.40 | ug/kg wet | 19.2 | | | 60-140 | | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *11.8* | *ug/kg wet* | *19.2* | | *61.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *29.7* | *ug/kg wet* | *38.4* | | *77.3* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *29.3* | *ug/kg wet* | *38.4* | | *76.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *19.7* | *ug/kg wet* | *19.2* | | *102* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *31.6* | *ug/kg wet* | *38.4* | | *82.1* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.9* | *ug/kg wet* | *19.2* | | *77.6* | *60-140* | | |
| **LCS Dup (BFB3398-BSD2)** | | | | | Prepared: 2/25/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 11.8 | | 2.38 | ug/kg wet | 19.1 | | 61.8 | 60-140 | 11.3 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.08 | J1 | 2.38 | ug/kg wet | 19.1 | | 42.4 | 60-140 | 8.45 | 40 |
| 1,2-Diphenylhydrazine | 13.0 | | 2.38 | ug/kg wet | 19.1 | | 68.3 | 60-140 | 1.75 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 7.97 | J1 | 2.38 | ug/kg wet | 19.1 | | 41.8 | 60-140 | 10.3 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.85 | J1 | 2.38 | ug/kg wet | 19.1 | | 41.2 | 60-140 | 18.2 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 12.3 | | 2.38 | ug/kg wet | 19.1 | | 64.3 | 60-140 | 0.466 | 40 |
| 2,4,6-Trichlorophenol | 31.9 | | 4.77 | ug/kg wet | 38.1 | | 83.6 | 60-140 | 4.15 | 40 |
| 2,4-Dichlorophenol | 60.9 | J1 | 4.77 | ug/kg wet | 38.1 | | 160 | 60-140 | 20.8 | 40 |
| 2,4-Dimethylphenol | 31.6 | | 4.77 | ug/kg wet | 38.1 | | 82.9 | 60-140 | 12.1 | 40 |
| 2,4-Dinitrophenol | 19.6 | | 4.77 | ug/kg wet | 95.3 | | 20.6 | 10-50.4 | 21.0 | 40 |
| 2-Chloronaphthalene | 13.7 | | 2.38 | ug/kg wet | 19.1 | | 72.1 | 60-140 | 0.216 | 40 |
| 2-Chlorophenol | 35.3 | | 4.77 | ug/kg wet | 38.1 | | 92.6 | 60-140 | 24.3 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 21.9 | J1 | 19.1 | ug/kg wet | 38.1 | | 57.5 | 60-140 | 14.8 | 40 |
| 2-Nitrophenol | 29.3 | | 4.77 | ug/kg wet | 38.1 | | 76.9 | 60-140 | 3.23 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 14.0 | | 2.38 | ug/kg wet | 19.1 | | 73.5 | 60-140 | 0.162 | 40 |
| 4-Chloro-3-methylphenol | 36.8 | | 4.77 | ug/kg wet | 38.1 | | 96.6 | 60-140 | 8.40 | 40 |
| 4-Chlorophenyl phenylether | 15.0 | | 2.38 | ug/kg wet | 19.1 | | 78.5 | 60-140 | 10.4 | 40 |
| 4-Nitrophenol | 94.5 | | 2.38 | ug/kg wet | 95.3 | | 99.1 | 60-140 | 2.94 | 40 |
| Acenaphthene | 12.7 | | 2.38 | ug/kg wet | 19.1 | | 66.9 | 60-140 | 3.23 | 40 |
| Acenaphthylene | 13.1 | | 2.38 | ug/kg wet | 19.1 | | 68.7 | 60-140 | 0.385 | 40 |
| Anthracene | 16.4 | | 2.38 | ug/kg wet | 19.1 | | 86.0 | 60-140 | 4.22 | 40 |
| Benzo(a)anthracene | 17.7 | | 2.38 | ug/kg wet | 19.1 | | 92.8 | 60-140 | 23.3 | 40 |
| Benzo(a)pyrene | 15.8 | | 2.38 | ug/kg wet | 19.1 | | 82.8 | 60-140 | 4.97 | 40 |
| benzo(b&k)fluoranthene | 33.4 | | 2.38 | ug/kg wet | 38.1 | | 87.6 | 60-140 | 6.83 | 40 |
| Benzo(g,h,i)perylene | 15.3 | | 2.38 | ug/kg wet | 19.1 | | 80.2 | 60-140 | 2.63 | 40 |
| bis(2-Chloroethoxy)methane | 16.9 | | 2.38 | ug/kg wet | 19.1 | | 88.4 | 60-140 | 19.7 | 40 |
| Bis(2-ethylhexyl )phthalate | 20.2 | | 2.38 | ug/kg wet | 19.1 | | 106 | 60-140 | 8.69 | 40 |
| Butyl benzyl phthalate | 17.3 | | 2.38 | ug/kg wet | 19.1 | | 90.8 | 60-140 | 9.25 | 40 |
| Chrysene | 16.0 | | 2.38 | ug/kg wet | 19.1 | | 83.9 | 60-140 | 2.95 | 40 |
| Dibenzo(a,h)anthracene | 15.2 | | 2.38 | ug/kg wet | 19.1 | | 79.5 | 60-140 | 7.66 | 40 |
| Diethyl phthalate | 12.8 | | 2.38 | ug/kg wet | 19.1 | | 67.2 | 60-140 | 2.98 | 40 |
| Dimethyl phthalate | 15.3 | | 2.38 | ug/kg wet | 19.1 | | 80.4 | 60-140 | 9.68 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3398-BSD2)** | | | | | Prepared: 2/25/2022 Analyzed: 3/4/2022 | | | | | |
| Di-n-butyl phthalate | 11.5 | | 2.38 | ug/kg wet | 19.1 | | 60.5 | 60-140 | 5.67 | 40 |
| Di-n-octyl phthalate | 17.1 | | 2.38 | ug/kg wet | 19.1 | | 89.8 | 60-140 | 4.18 | 40 |
| Fluoranthene | 16.7 | | 2.38 | ug/kg wet | 19.1 | | 87.8 | 60-140 | 4.10 | 40 |
| Fluorene | 14.3 | | 2.38 | ug/kg wet | 19.1 | | 75.0 | 60-140 | 4.22 | 40 |
| Hexachlorobenzene | 13.7 | | 2.38 | ug/kg wet | 19.1 | | 71.7 | 60-140 | 0.448 | 40 |
| Hexachlorobutadiene | 9.45 | J1 | 2.38 | ug/kg wet | 19.1 | | 49.6 | 60-140 | 2.40 | 40 |
| Hexachlorocyclopentadiene | 12.7 | | 2.38 | ug/kg wet | 19.1 | | 66.4 | 60-140 | 6.76 | 40 |
| Hexachloroethane | 10.6 | J1 | 2.38 | ug/kg wet | 19.1 | | 55.8 | 60-140 | 11.5 | 40 |
| Indeno(1,2,3-cd) pyrene | 15.5 | | 2.38 | ug/kg wet | 19.1 | | 81.4 | 60-140 | 3.90 | 40 |
| Isophorone | 14.5 | | 2.38 | ug/kg wet | 19.1 | | 76.1 | 60-140 | 2.36 | 40 |
| Naphthalene | 13.1 | | 2.38 | ug/kg wet | 19.1 | | 68.5 | 60-140 | 9.88 | 40 |
| Nitrobenzene | 14.2 | | 2.38 | ug/kg wet | 19.1 | | 74.4 | 60-140 | 0.394 | 40 |
| n-Nitrosodimethylamine | 37.7 | J1 | 2.38 | ug/kg wet | 95.3 | | 39.5 | 60-140 | 3.55 | 40 |
| n-Nitrosodi-n-propylamine | 14.7 | | 2.38 | ug/kg wet | 19.1 | | 77.0 | 60-140 | 4.90 | 40 |
| n-Nitrosodiphenylamine | 13.9 | | 2.38 | ug/kg wet | 19.1 | | 72.9 | 60-140 | 16.6 | 40 |
| Pentachlorophenol | 31.4 | | 4.77 | ug/kg wet | 38.1 | | 82.2 | 60-140 | 3.67 | 40 |
| Phenanthrene | 13.5 | | 2.38 | ug/kg wet | 19.1 | | 70.9 | 60-140 | 5.62 | 40 |
| Phenol, Total | 38.4 | | 4.77 | ug/kg wet | 38.1 | | 101 | 60-140 | 0.905 | 40 |
| Pyrene | 14.3 | | 2.38 | ug/kg wet | 19.1 | | 75.1 | 60-140 | 1.44 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *17.2* | *ug/kg wet* | *19.1* | | *90.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *31.1* | *ug/kg wet* | *38.1* | | *81.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *32.4* | *ug/kg wet* | *38.1* | | *85.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.6* | *ug/kg wet* | *19.1* | | *92.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *39.6* | *ug/kg wet* | *38.1* | | *104* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *16.1* | *ug/kg wet* | *19.1* | | *84.5* | *60-140* | | |
| **LCS Dup (BFB3398-BSD3)** | | | | | Prepared: 2/25/2022 Analyzed: 3/11/2022 | | | | | |
| 2,4-Dichlorophenol | 33.6 | | 4.77 | ug/kg wet | 38.1 | | 88.2 | 60-140 | 4.83 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 11.9 | | 2.38 | ug/kg wet | 19.1 | | 62.3 | 60-140 | 2.70 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 13.7 | | 2.38 | ug/kg wet | 19.1 | | 71.9 | 60-140 | 0.507 | 40 |
| 2-Chlorophenol | 28.9 | | 4.77 | ug/kg wet | 38.1 | | 75.7 | 60-140 | 10.5 | 40 |
| Acenaphthene | 14.3 | | 2.38 | ug/kg wet | 19.1 | | 75.3 | 60-140 | 0.747 | 40 |
| Acenaphthylene | 13.4 | | 2.38 | ug/kg wet | 19.1 | | 70.4 | 60-140 | 0.555 | 40 |
| Anthracene | 14.4 | | 2.38 | ug/kg wet | 19.1 | | 75.3 | 60-140 | 0.931 | 40 |
| Benzo(a)anthracene | 10.9 | J1 | 2.38 | ug/kg wet | 19.1 | | 57.0 | 60-140 | 6.26 | 40 |
| Benzo(a)pyrene | 17.0 | | 2.38 | ug/kg wet | 19.1 | | 89.2 | 60-140 | 4.73 | 40 |
| benzo(b&k)fluoranthene | 32.5 | | 2.38 | ug/kg wet | 38.1 | | 85.1 | 60-140 | 6.41 | 40 |
| Benzo(g,h,i)perylene | 14.6 | | 2.38 | ug/kg wet | 19.1 | | 76.6 | 60-140 | 7.03 | 40 |
| bis(2-Chloroethyl) ether | 14.8 | | 2.38 | ug/kg wet | 19.1 | | 77.5 | 60-140 | 16.2 | 40 |
| Chrysene | 15.0 | | 2.38 | ug/kg wet | 19.1 | | 78.9 | 60-140 | 3.33 | 40 |
| Di-n-octyl phthalate | 15.2 | | 2.38 | ug/kg wet | 19.1 | | 79.5 | 60-140 | 1.73 | 40 |
| Fluoranthene | 14.5 | | 2.38 | ug/kg wet | 19.1 | | 75.9 | 60-140 | 4.80 | 40 |
| Fluorene | 15.0 | | 2.38 | ug/kg wet | 19.1 | | 78.9 | 60-140 | 2.42 | 40 |
| Indeno(1,2,3-cd) pyrene | 14.1 | | 2.38 | ug/kg wet | 19.1 | | 74.2 | 60-140 | 3.69 | 40 |
| Naphthalene | 13.1 | | 2.38 | ug/kg wet | 19.1 | | 68.5 | 60-140 | 3.15 | 40 |
| n-Nitrosodiphenylamine | 9.94 | J1 | 2.38 | ug/kg wet | 19.1 | | 52.1 | 60-140 | 1.90 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3398-BSD3)** | | | | | Prepared: 2/25/2022 Analyzed: 3/11/2022 | | | | | |
| Phenanthrene | 14.6 | | 2.38 | ug/kg wet | 19.1 | | 76.4 | 60-140 | 2.19 | 40 |
| Pyrene | 14.6 | | 2.38 | ug/kg wet | 19.1 | | 76.4 | 60-140 | 2.08 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.6* | *ug/kg wet* | *19.1* | | *71.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.0* | *ug/kg wet* | *38.1* | | *86.6* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *27.6* | *ug/kg wet* | *38.1* | | *72.4* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.2* | *ug/kg wet* | *19.1* | | *84.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *31.6* | *ug/kg wet* | *38.1* | | *82.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.4* | *ug/kg wet* | *19.1* | | *80.5* | *60-140* | | |
| **MDL BENZ (BFB3398-MRL1)** | | | | | Prepared: 2/25/2022 Analyzed: 3/31/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <2.42 | U | 2.42 | ug/kg wet | 1.93 | | | 50-150 | | |
| Benzidine | <2.42 | U | 2.42 | ug/kg wet | 1.93 | | | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.0* | *ug/kg wet* | *19.3* | | *62.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.0* | *ug/kg wet* | *38.6* | | *85.3* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *26.6* | *ug/kg wet* | *38.6* | | *68.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *19.0* | *ug/kg wet* | *19.3* | | *98.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *32.7* | *ug/kg wet* | *38.6* | | *84.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.4* | *ug/kg wet* | *19.3* | | *79.5* | *60-140* | | |
| **MDL SV (BFB3398-MRL2)** | | | | | Prepared: 2/25/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 1.33 | J | 2.34 | ug/kg wet | 1.87 | | 71.3 | 50-150 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 1.62 | J | 2.34 | ug/kg wet | 1.87 | | 86.7 | 50-150 | | |
| 1,2-Diphenylhydrazine | 1.56 | J | 2.34 | ug/kg wet | 1.87 | | 83.3 | 50-150 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <2.34 | U | 2.34 | ug/kg wet | 1.87 | | | 50-150 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 2.31 | J | 2.34 | ug/kg wet | 1.87 | | 124 | 50-150 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 1.22 | J | 2.34 | ug/kg wet | 1.87 | | 65.5 | 50-150 | | |
| 2,4,6-Trichlorophenol | 4.93 | | 4.67 | ug/kg wet | 3.74 | | 132 | 50-150 | | |
| 2,4-Dichlorophenol | 5.93 | | 4.67 | ug/kg wet | 3.74 | | 159 | 50-150 | | |
| 2,4-Dimethylphenol | 4.53 | J | 4.67 | ug/kg wet | 3.74 | | 121 | 50-150 | | |
| 2,4-Dinitrophenol | 6.52 | | 4.67 | ug/kg wet | 9.35 | | 69.7 | 50-150 | | |
| 2-Chloronaphthalene | 1.19 | J | 2.34 | ug/kg wet | 1.87 | | 63.7 | 50-150 | | |
| 2-Chlorophenol | 3.79 | J | 4.67 | ug/kg wet | 3.74 | | 101 | 50-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <18.7 | U | 18.7 | ug/kg wet | 3.74 | | | 50-150 | | |
| 2-Nitrophenol | <4.67 | U | 4.67 | ug/kg wet | 3.74 | | | 50-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 1.95 | J | 2.34 | ug/kg wet | 1.87 | | 104 | 50-150 | | |
| 4-Chloro-3-methylphenol | 4.22 | J | 4.67 | ug/kg wet | 3.74 | | 113 | 50-150 | | |
| 4-Chlorophenyl phenylether | 2.05 | J | 2.34 | ug/kg wet | 1.87 | | 110 | 50-150 | | |
| 4-Nitrophenol | 12.5 | | 2.34 | ug/kg wet | 9.35 | | 133 | 50-150 | | |
| Acenaphthene | 1.33 | J | 2.34 | ug/kg wet | 1.87 | | 70.9 | 50-150 | | |
| Acenaphthylene | 1.57 | J | 2.34 | ug/kg wet | 1.87 | | 84.1 | 50-150 | | |
| Anthracene | 1.52 | J | 2.34 | ug/kg wet | 1.87 | | 81.1 | 50-150 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFB3398-MRL2)** | | | | | Prepared: 2/25/2022 Analyzed: 3/4/2022 | | | | | |
| Benzo(a)anthracene | 1.36 | J | 2.34 | ug/kg wet | 1.87 | | 72.9 | 50-150 | | |
| Benzo(a)pyrene | 2.11 | J | 2.34 | ug/kg wet | 1.87 | | 113 | 50-150 | | |
| benzo(b&k)fluoranthene | 3.75 | | 2.34 | ug/kg wet | 3.74 | | 100 | 50-150 | | |
| Benzo(g,h,i)perylene | 1.55 | J | 2.34 | ug/kg wet | 1.87 | | 83.1 | 50-150 | | |
| bis(2-Chloroethoxy)methane | 1.49 | J | 2.34 | ug/kg wet | 1.87 | | 79.9 | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 2.82 | | 2.34 | ug/kg wet | 1.87 | | 151 | 50-150 | | |
| Butyl benzyl phthalate | 1.80 | J | 2.34 | ug/kg wet | 1.87 | | 96.3 | 50-150 | | |
| Chrysene | 1.98 | J | 2.34 | ug/kg wet | 1.87 | | 106 | 50-150 | | |
| Dibenzo(a,h)anthracene | 1.38 | J | 2.34 | ug/kg wet | 1.87 | | 73.7 | 50-150 | | |
| Diethyl phthalate | <2.34 | U | 2.34 | ug/kg wet | 1.87 | | | 50-150 | | |
| Dimethyl phthalate | 1.59 | J | 2.34 | ug/kg wet | 1.87 | | 85.2 | 50-150 | | |
| Di-n-butyl phthalate | <2.34 | U | 2.34 | ug/kg wet | 1.87 | | | 50-150 | | |
| Di-n-octyl phthalate | 1.74 | J | 2.34 | ug/kg wet | 1.87 | | 93.0 | 50-150 | | |
| Fluoranthene | 1.31 | J | 2.34 | ug/kg wet | 1.87 | | 70.1 | 50-150 | | |
| Fluorene | 1.54 | J | 2.34 | ug/kg wet | 1.87 | | 82.6 | 50-150 | | |
| Hexachlorobenzene | 2.40 | | 2.34 | ug/kg wet | 1.87 | | 128 | 50-150 | | |
| Hexachlorobutadiene | <2.34 | U | 2.34 | ug/kg wet | 1.87 | | | 50-150 | | |
| Hexachlorocyclopentadiene | <2.34 | U | 2.34 | ug/kg wet | 1.87 | | | 50-150 | | |
| Hexachloroethane | 1.22 | J | 2.34 | ug/kg wet | 1.87 | | 65.1 | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | 1.44 | J | 2.34 | ug/kg wet | 1.87 | | 77.1 | 50-150 | | |
| Isophorone | 1.59 | J | 2.34 | ug/kg wet | 1.87 | | 85.2 | 50-150 | | |
| Naphthalene | <2.34 | U | 2.34 | ug/kg wet | 1.87 | | | 50-150 | | |
| Nitrobenzene | 1.39 | J | 2.34 | ug/kg wet | 1.87 | | 74.5 | 50-150 | | |
| n-Nitrosodimethylamine | 1.31 | J | 2.34 | ug/kg wet | 9.35 | | 14.1 | 50-150 | | |
| n-Nitrosodi-n-propylamine | 1.76 | J | 2.34 | ug/kg wet | 1.87 | | 94.0 | 50-150 | | |
| n-Nitrosodiphenylamine | 2.05 | J | 2.34 | ug/kg wet | 1.87 | | 109 | 50-150 | | |
| Pentachlorophenol | 3.56 | J | 4.67 | ug/kg wet | 3.74 | | 95.3 | 50-150 | | |
| Phenanthrene | 1.42 | J | 2.34 | ug/kg wet | 1.87 | | 75.9 | 50-150 | | |
| Phenol, Total | 5.03 | | 4.67 | ug/kg wet | 3.74 | | 134 | 50-150 | | |
| Pyrene | 1.69 | J | 2.34 | ug/kg wet | 1.87 | | 90.6 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *16.6* | *ug/kg wet* | *18.7* | | *88.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *29.1* | *ug/kg wet* | *37.4* | | *77.7* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *32.9* | *ug/kg wet* | *37.4* | | *87.9* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.1* | *ug/kg wet* | *18.7* | | *86.3* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *32.1* | *ug/kg wet* | *37.4* | | *85.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *18.0* | *ug/kg wet* | *18.7* | | *96.1* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFB3398-MRL3)** | | | | | Prepared: 2/25/2022 Analyzed: 3/11/2022 | | | | | |
| 2,4-Dichlorophenol | 3.99 | J | 4.67 | ug/kg wet | 3.74 | | 107 | 50-150 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 1.22 | J | 2.34 | ug/kg wet | 1.87 | | 65.0 | 50-150 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 1.38 | J | 2.34 | ug/kg wet | 1.87 | | 73.9 | 50-150 | | |
| 2-Chlorophenol | 2.70 | J | 4.67 | ug/kg wet | 3.74 | | 72.2 | 50-150 | | |
| Acenaphthene | 1.46 | J | 2.34 | ug/kg wet | 1.87 | | 78.4 | 50-150 | | |
| Acenaphthylene | 1.52 | J | 2.34 | ug/kg wet | 1.87 | | 81.3 | 50-150 | | |
| Anthracene | 1.47 | J | 2.34 | ug/kg wet | 1.87 | | 78.4 | 50-150 | | |
| Benzo(a)anthracene | <2.34 | U | 2.34 | ug/kg wet | 1.87 | | | 50-150 | | |
| Benzo(a)pyrene | 1.42 | J | 2.34 | ug/kg wet | 1.87 | | 75.8 | 50-150 | | |
| benzo(b&k)fluoranthene | 2.86 | | 2.34 | ug/kg wet | 3.74 | | 76.6 | 50-150 | | |
| Benzo(g,h,i)perylene | 1.44 | J | 2.34 | ug/kg wet | 1.87 | | 76.8 | 50-150 | | |
| bis(2-Chloroethyl) ether | 1.94 | J | 2.34 | ug/kg wet | 1.87 | | 104 | 50-150 | | |
| Chrysene | 1.45 | J | 2.34 | ug/kg wet | 1.87 | | 77.6 | 50-150 | | |
| Di-n-octyl phthalate | 1.47 | J | 2.34 | ug/kg wet | 1.87 | | 78.8 | 50-150 | | |
| Fluoranthene | 1.42 | J | 2.34 | ug/kg wet | 1.87 | | 75.7 | 50-150 | | |
| Fluorene | 1.43 | J | 2.34 | ug/kg wet | 1.87 | | 76.3 | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | <2.34 | U | 2.34 | ug/kg wet | 1.87 | | | 50-150 | | |
| Naphthalene | 1.33 | J | 2.34 | ug/kg wet | 1.87 | | 71.4 | 50-150 | | |
| n-Nitrosodiphenylamine | <2.34 | U | 2.34 | ug/kg wet | 1.87 | | | 50-150 | | |
| Phenanthrene | 1.18 | J | 2.34 | ug/kg wet | 1.87 | | 62.9 | 50-150 | | |
| Pyrene | 1.46 | J | 2.34 | ug/kg wet | 1.87 | | 78.4 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.0* | *ug/kg wet* | *18.7* | | *74.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.4* | *ug/kg wet* | *37.4* | | *89.4* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *24.5* | *ug/kg wet* | *37.4* | | *65.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.4* | *ug/kg wet* | *18.7* | | *93.2* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *34.0* | *ug/kg wet* | *37.4* | | *91.0* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.9* | *ug/kg wet* | *18.7* | | *79.5* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3398-MS1)** | **Source: 22A3944-28** | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | | |
| 1,2,4-Trichlorobenzene | 12.8 | J1 | 2.83 | ug/kg dry | 22.6 | <2.83 | 56.8 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 12.7 | J1 | 2.83 | ug/kg dry | 22.6 | <2.83 | 56.0 | 60-140 | | |
| 1,2-Diphenylhydrazine | 16.7 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 73.7 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 12.6 | J1 | 2.83 | ug/kg dry | 22.6 | <2.83 | 55.6 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 11.7 | J1 | 2.83 | ug/kg dry | 22.6 | <2.83 | 51.7 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 13.4 | J1 | 2.83 | ug/kg dry | 22.6 | <2.83 | 59.3 | 60-140 | | |
| 2,4,6-Trichlorophenol | 42.1 | | 5.65 | ug/kg dry | 45.2 | <5.65 | 93.2 | 60-140 | | |
| 2,4-Dichlorophenol | 85.6 | J1 | 5.65 | ug/kg dry | 45.2 | <5.65 | 189 | 60-140 | | |
| 2,4-Dimethylphenol | 36.4 | | 5.65 | ug/kg dry | 45.2 | <5.65 | 80.4 | 60-140 | | |
| 2,4-Dinitrophenol | 70.1 | J1 | 5.65 | ug/kg dry | 113 | <5.65 | 62.0 | 10-51.3 | | |
| 2-Chloronaphthalene | 24.4 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 108 | 60-140 | | |
| 2-Chlorophenol | 55.5 | | 5.65 | ug/kg dry | 45.2 | <5.65 | 123 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 48.7 | | 22.6 | ug/kg dry | 45.2 | <22.6 | 108 | 60-140 | | |
| 2-Nitrophenol | 30.7 | | 5.65 | ug/kg dry | 45.2 | <5.65 | 68.0 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 18.1 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 80.1 | 60-140 | | |
| 4-Chloro-3-methylphenol | 47.6 | | 5.65 | ug/kg dry | 45.2 | <5.65 | 105 | 60-140 | | |
| 4-Chlorophenyl phenylether | 17.4 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 77.0 | 60-140 | | |
| 4-Nitrophenol | 104 | | 2.83 | ug/kg dry | 113 | <2.83 | 92.3 | 60-140 | | |
| Acenaphthene | 15.4 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 68.1 | 60-140 | | |
| Acenaphthylene | 15.9 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 70.2 | 60-140 | | |
| Anthracene | 16.0 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 70.6 | 60-140 | | |
| Benzo(a)anthracene | 17.4 | | 2.83 | ug/kg dry | 22.6 | 2.92 | 64.1 | 60-140 | | |
| Benzo(a)pyrene | 17.4 | | 2.83 | ug/kg dry | 22.6 | 2.42 | 66.1 | 60-140 | | |
| benzo(b&k)fluoranthene | 35.6 | | 2.83 | ug/kg dry | 45.2 | 4.77 | 68.2 | 60-140 | | |
| Benzo(g,h,i)perylene | 15.7 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 69.5 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 20.9 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 92.6 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 26.7 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 118 | 60-140 | | |
| Butyl benzyl phthalate | 16.9 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 75.0 | 60-140 | | |
| Chrysene | 18.9 | | 2.83 | ug/kg dry | 22.6 | 2.29 | 73.3 | 60-140 | | |
| Dibenzo(a,h)anthracene | 16.5 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 72.9 | 60-140 | | |
| Diethyl phthalate | 14.2 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 62.8 | 60-140 | | |
| Dimethyl phthalate | 17.9 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 79.1 | 60-140 | | |
| Di-n-butyl phthalate | 12.3 | J1 | 2.83 | ug/kg dry | 22.6 | <2.83 | 54.5 | 60-140 | | |
| Di-n-octyl phthalate | 16.2 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 71.8 | 60-140 | | |
| Fluoranthene | 18.9 | J1 | 2.83 | ug/kg dry | 22.6 | 5.42 | 59.8 | 60-140 | | |
| Fluorene | 19.3 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 85.3 | 60-140 | | |
| Hexachlorobenzene | 14.8 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 65.5 | 60-140 | | |
| Hexachlorobutadiene | 11.9 | J1 | 2.83 | ug/kg dry | 22.6 | <2.83 | 52.7 | 60-140 | | |
| Hexachlorocyclopentadiene | 8.58 | J1 | 2.83 | ug/kg dry | 22.6 | <2.83 | 38.0 | 60-140 | | |
| Hexachloroethane | 10.1 | J1 | 2.83 | ug/kg dry | 22.6 | <2.83 | 44.8 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 16.1 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 71.2 | 60-140 | | |
| Isophorone | 16.2 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 71.7 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3398-MS1)** | | **Source: 22A3944-28** | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | |
| Naphthalene | 14.9 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 65.7 | 60-140 | | |
| Nitrobenzene | 17.3 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 76.4 | 60-140 | | |
| n-Nitrosodimethylamine | 31.2 | J1 | 2.83 | ug/kg dry | 113 | <2.83 | 27.6 | 60-140 | | |
| n-Nitrosodi-n-propylamine | 15.7 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 69.3 | 60-140 | | |
| n-Nitrosodiphenylamine | 16.8 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 74.4 | 60-140 | | |
| Pentachlorophenol | 48.2 | | 5.65 | ug/kg dry | 45.2 | <5.65 | 107 | 60-140 | | |
| Phenanthrene | 15.6 | J1 | 2.83 | ug/kg dry | 22.6 | 3.00 | 55.5 | 60-140 | | |
| Phenol, Total | 46.4 | | 5.65 | ug/kg dry | 45.2 | 2.99 | 95.9 | 60-140 | | |
| Pyrene | 16.6 | J1 | 2.83 | ug/kg dry | 22.6 | 4.38 | 54.1 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *25.8* | *ug/kg dry* | *22.6* | | *114* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *38.6* | *ug/kg dry* | *45.2* | | *85.4* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *41.3* | *ug/kg dry* | *45.2* | | *91.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *22.8* | *ug/kg dry* | *22.6* | | *101* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *46.4* | *ug/kg dry* | *45.2* | | *103* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *18.5* | *ug/kg dry* | *22.6* | | *81.9* | *60-140* | | |
| **Matrix Spike (BFB3398-MS2)** | | **Source: 22A3944-28RE1** | | | Prepared: 2/25/2022 Analyzed: 3/11/2022 | | | | | |
| 2,4-Dichlorophenol | 39.5 | | 5.65 | ug/kg dry | 45.2 | <5.65 | 87.3 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 16.3 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 72.0 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 15.8 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 69.9 | 60-140 | | |
| 2-Chlorophenol | 33.3 | | 5.65 | ug/kg dry | 45.2 | <5.65 | 73.6 | 60-140 | | |
| Acenaphthene | 16.7 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 74.1 | 60-140 | | |
| Acenaphthylene | 15.9 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 70.5 | 60-140 | | |
| Anthracene | 16.3 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 72.3 | 60-140 | | |
| Benzo(a)anthracene | 12.7 | J1 | 2.83 | ug/kg dry | 22.6 | 1.61 | 48.9 | 60-140 | | |
| Benzo(a)pyrene | 18.1 | | 2.83 | ug/kg dry | 22.6 | 2.01 | 71.2 | 60-140 | | |
| benzo(b&k)fluoranthene | 33.6 | | 2.83 | ug/kg dry | 45.2 | 3.77 | 65.9 | 60-140 | | |
| Benzo(g,h,i)perylene | 14.5 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 64.0 | 60-140 | | |
| bis(2-Chloroethyl) ether | 20.7 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 91.5 | 60-140 | | |
| Chrysene | 16.1 | | 2.83 | ug/kg dry | 22.6 | 1.74 | 63.7 | 60-140 | | |
| Di-n-octyl phthalate | 15.5 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 68.4 | 60-140 | | |
| Fluoranthene | 16.3 | J1 | 2.83 | ug/kg dry | 22.6 | 4.82 | 51.0 | 60-140 | | |
| Fluorene | 17.7 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 78.5 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 14.5 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 64.0 | 60-140 | | |
| Naphthalene | 16.3 | | 2.83 | ug/kg dry | 22.6 | <2.83 | 72.2 | 60-140 | | |
| n-Nitrosodiphenylamine | 13.0 | J1 | 2.83 | ug/kg dry | 22.6 | <2.83 | 57.6 | 60-140 | | |
| Phenanthrene | 17.1 | | 2.83 | ug/kg dry | 22.6 | 2.15 | 66.0 | 60-140 | | |
| Pyrene | 16.1 | J1 | 2.83 | ug/kg dry | 22.6 | 4.33 | 52.2 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *16.4* | *ug/kg dry* | *22.6* | | *72.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *39.7* | *ug/kg dry* | *45.2* | | *87.8* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *33.1* | *ug/kg dry* | *45.2* | | *73.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *20.5* | *ug/kg dry* | *22.6* | | *90.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *36.3* | *ug/kg dry* | *45.2* | | *80.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.2* | *ug/kg dry* | *22.6* | | *67.4* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB3398-MSD1)** | **Source: 22A3944-28** | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | | |
| 1,2,4-Trichlorobenzene | 13.5 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 62.8 | 60-140 | 4.64 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 10.7 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 50.1 | 60-140 | 16.5 | 40 |
| 1,2-Diphenylhydrazine | 13.4 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 62.5 | 60-140 | 21.6 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 9.45 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 44.1 | 60-140 | 28.4 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 10.0 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 46.8 | 60-140 | 15.2 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 11.8 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 55.0 | 60-140 | 12.8 | 40 |
| 2,4,6-Trichlorophenol | 31.6 | | 5.36 | ug/kg dry | 42.9 | <5.36 | 73.8 | 60-140 | 28.4 | 40 |
| 2,4-Dichlorophenol | 53.0 | J1 | 5.36 | ug/kg dry | 42.9 | <5.36 | 123 | 60-140 | 47.2 | 40 |
| 2,4-Dimethylphenol | 33.8 | | 5.36 | ug/kg dry | 42.9 | <5.36 | 78.8 | 60-140 | 7.27 | 40 |
| 2,4-Dinitrophenol | 60.3 | J1 | 5.36 | ug/kg dry | 107 | <5.36 | 56.2 | 10-51.3 | 15.0 | 40 |
| 2-Chloronaphthalene | 15.4 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 71.9 | 60-140 | 45.2 | 40 |
| 2-Chlorophenol | 39.0 | | 5.36 | ug/kg dry | 42.9 | <5.36 | 90.9 | 60-140 | 35.0 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 40.8 | | 21.4 | ug/kg dry | 42.9 | <21.4 | 95.2 | 60-140 | 17.6 | 40 |
| 2-Nitrophenol | 27.5 | | 5.36 | ug/kg dry | 42.9 | <5.36 | 64.1 | 60-140 | 11.2 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 15.8 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 73.6 | 60-140 | 13.7 | 40 |
| 4-Chloro-3-methylphenol | 39.0 | | 5.36 | ug/kg dry | 42.9 | <5.36 | 91.0 | 60-140 | 19.8 | 40 |
| 4-Chlorophenyl phenylether | 14.8 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 69.2 | 60-140 | 15.9 | 40 |
| 4-Nitrophenol | 85.8 | | 2.68 | ug/kg dry | 107 | <2.68 | 80.0 | 60-140 | 19.5 | 40 |
| Acenaphthene | 13.8 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 64.3 | 60-140 | 11.1 | 40 |
| Acenaphthylene | 13.7 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 63.9 | 60-140 | 14.6 | 40 |
| Anthracene | 17.2 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 80.4 | 60-140 | 7.67 | 40 |
| Benzo(a)anthracene | 18.7 | | 2.68 | ug/kg dry | 21.4 | 2.92 | 73.8 | 60-140 | 7.43 | 40 |
| Benzo(a)pyrene | 17.6 | | 2.68 | ug/kg dry | 21.4 | 2.42 | 70.8 | 60-140 | 1.33 | 40 |
| benzo(b&k)fluoranthene | 34.2 | | 2.68 | ug/kg dry | 42.9 | 4.77 | 68.6 | 60-140 | 3.96 | 40 |
| Benzo(g,h,i)perylene | 15.7 | | 2.68 | ug/kg dry | 21.4 | 1.35 | 66.8 | 60-140 | 0.219 | 40 |
| bis(2-Chloroethoxy)methane | 13.7 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 63.8 | 60-140 | 41.9 | 40 |
| Bis(2-ethylhexyl )phthalate | 16.9 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 78.7 | 60-140 | 45.3 | 40 |
| Butyl benzyl phthalate | 18.5 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 86.3 | 60-140 | 8.81 | 40 |
| Chrysene | 18.3 | | 2.68 | ug/kg dry | 21.4 | 2.29 | 74.7 | 60-140 | 2.90 | 40 |
| Dibenzo(a,h)anthracene | 14.6 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 68.1 | 60-140 | 12.0 | 40 |
| Diethyl phthalate | 14.1 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 65.9 | 60-140 | 0.449 | 40 |
| Dimethyl phthalate | 15.5 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 72.4 | 60-140 | 14.1 | 40 |
| Di-n-butyl phthalate | 12.9 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 60.0 | 60-140 | 4.48 | 40 |
| Di-n-octyl phthalate | 15.9 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 73.9 | 60-140 | 2.34 | 40 |
| Fluoranthene | 19.4 | | 2.68 | ug/kg dry | 21.4 | 5.42 | 65.1 | 60-140 | 2.32 | 40 |
| Fluorene | 16.1 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 75.0 | 60-140 | 18.1 | 40 |
| Hexachlorobenzene | 14.0 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 65.5 | 60-140 | 5.30 | 40 |
| Hexachlorobutadiene | 8.60 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 40.1 | 60-140 | 32.2 | 40 |
| Hexachlorocyclopentadiene | 10.3 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 47.9 | 60-140 | 17.8 | 40 |
| Hexachloroethane | 6.20 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 28.9 | 60-140 | 48.1 | 40 |
| Indeno(1,2,3-cd) pyrene | 15.7 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 73.2 | 60-140 | 2.53 | 40 |
| Isophorone | 14.4 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 67.2 | 60-140 | 11.7 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3398 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB3398-MSD1)** | | **Source: 22A3944-28** | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | | |
| Naphthalene | 12.8 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 59.5 | 60-140 | 15.2 | 40 |
| Nitrobenzene | 14.1 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 65.6 | 60-140 | 20.4 | 40 |
| n-Nitrosodimethylamine | 33.8 | J1 | 2.68 | ug/kg dry | 107 | <2.68 | 31.6 | 60-140 | 8.26 | 40 |
| n-Nitrosodi-n-propylamine | 13.4 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 62.6 | 60-140 | 15.4 | 40 |
| n-Nitrosodiphenylamine | 15.2 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 70.8 | 60-140 | 10.3 | 40 |
| Pentachlorophenol | 38.3 | | 5.36 | ug/kg dry | 42.9 | <5.36 | 89.3 | 60-140 | 22.9 | 40 |
| Phenanthrene | 16.5 | | 2.68 | ug/kg dry | 21.4 | 3.00 | 62.8 | 60-140 | 5.65 | 40 |
| Phenol, Total | 37.0 | | 5.36 | ug/kg dry | 42.9 | 2.99 | 79.3 | 60-140 | 22.4 | 40 |
| Pyrene | 16.5 | J1 | 2.68 | ug/kg dry | 21.4 | 4.38 | 56.5 | 60-140 | 0.631 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *18.3* | *ug/kg dry* | *21.4* | | *85.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *31.5* | *ug/kg dry* | *42.9* | | *73.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *38.2* | *ug/kg dry* | *42.9* | | *89.0* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.3* | *ug/kg dry* | *21.4* | | *80.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *37.1* | *ug/kg dry* | *42.9* | | *86.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *18.8* | *ug/kg dry* | *21.4* | | *87.7* | *60-140* | | |
| **Matrix Spike Dup (BFB3398-MSD2)** | | **Source: 22A3944-28RE1** | | Prepared: 2/25/2022 Analyzed: 3/11/2022 | | | | | | |
| 2,4-Dichlorophenol | 39.4 | | 5.36 | ug/kg dry | 42.9 | <5.36 | 91.9 | 60-140 | 0.142 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 16.5 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 76.8 | 60-140 | 1.17 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 16.3 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 76.1 | 60-140 | 3.28 | 40 |
| 2-Chlorophenol | 30.3 | | 5.36 | ug/kg dry | 42.9 | <5.36 | 70.8 | 60-140 | 9.21 | 40 |
| Acenaphthene | 15.8 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 73.8 | 60-140 | 5.58 | 40 |
| Acenaphthylene | 15.1 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 70.5 | 60-140 | 5.21 | 40 |
| Anthracene | 15.4 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 72.0 | 60-140 | 5.67 | 40 |
| Benzo(a)anthracene | 13.3 | J1 | 2.68 | ug/kg dry | 21.4 | 1.61 | 54.7 | 60-140 | 5.30 | 40 |
| Benzo(a)pyrene | 17.7 | | 2.68 | ug/kg dry | 21.4 | 2.01 | 73.2 | 60-140 | 2.20 | 40 |
| benzo(b&k)fluoranthene | 33.0 | | 2.68 | ug/kg dry | 42.9 | 3.77 | 68.2 | 60-140 | 1.61 | 40 |
| Benzo(g,h,i)perylene | 14.3 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 66.5 | 60-140 | 1.40 | 40 |
| bis(2-Chloroethyl) ether | 18.0 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 84.0 | 60-140 | 13.8 | 40 |
| Chrysene | 15.4 | | 2.68 | ug/kg dry | 21.4 | 1.74 | 63.7 | 60-140 | 4.67 | 40 |
| Di-n-octyl phthalate | 14.4 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 67.0 | 60-140 | 7.33 | 40 |
| Fluoranthene | 15.8 | J1 | 2.68 | ug/kg dry | 21.4 | 4.82 | 51.1 | 60-140 | 3.58 | 40 |
| Fluorene | 17.0 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 79.4 | 60-140 | 4.12 | 40 |
| Indeno(1,2,3-cd) pyrene | 14.5 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 67.6 | 60-140 | 0.101 | 40 |
| Naphthalene | 14.3 | | 2.68 | ug/kg dry | 21.4 | <2.68 | 66.8 | 60-140 | 13.0 | 40 |
| n-Nitrosodiphenylamine | 9.54 | J1 | 2.68 | ug/kg dry | 21.4 | <2.68 | 44.5 | 60-140 | 30.8 | 40 |
| Phenanthrene | 16.7 | | 2.68 | ug/kg dry | 21.4 | 2.15 | 67.8 | 60-140 | 2.20 | 40 |
| Pyrene | 15.8 | J1 | 2.68 | ug/kg dry | 21.4 | 4.33 | 53.6 | 60-140 | 1.95 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.9* | *ug/kg dry* | *21.4* | | *69.7* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *37.8* | *ug/kg dry* | *42.9* | | *88.2* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *32.7* | *ug/kg dry* | *42.9* | | *76.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.2* | *ug/kg dry* | *21.4* | | *85.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *35.6* | *ug/kg dry* | *42.9* | | *83.1* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.7* | *ug/kg dry* | *21.4* | | *73.2* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511*** | | | | | | | | | | |
| **Blank (BFB3690-BLK1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.549 | U | 0.549 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.549 | U | 0.549 | ug/L | | | | | | |
| 1,2-Diphenylhydrazine | <0.549 | U | 0.549 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.549 | U | 0.549 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.549 | U | 0.549 | ug/L | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <0.549 | U | 0.549 | ug/L | | | | | | |
| 2,4,6-Trichlorophenol | <1.10 | U | 1.10 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.549 | U | 0.549 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.10 | U | 1.10 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.40 | U | 4.40 | ug/L | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.549 | U | 0.549 | ug/L | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <0.549 | U | 0.549 | ug/L | | | | | | |
| 2-Chloronaphthalene | <0.549 | U | 0.549 | ug/L | | | | | | |
| 2-Chlorophenol | <1.10 | U | 1.10 | ug/L | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <1.10 | U | 1.10 | ug/L | | | | | | |
| 2-Nitrophenol | <1.10 | U | 1.10 | ug/L | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <0.549 | U | 0.549 | ug/L | | | | | | |
| 4-Chloro-3-methylphenol | <1.10 | U | 1.10 | ug/L | | | | | | |
| 4-Chlorophenyl phenylether | <0.549 | U | 0.549 | ug/L | | | | | | |
| 4-Nitrophenol | <4.40 | U | 4.40 | ug/L | | | | | | |
| Acenaphthene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Acenaphthylene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Anthracene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.549 | U | 0.549 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.549 | U | 0.549 | ug/L | | | | | | |
| bis(2-Chloroethoxy)methane | <0.549 | U | 0.549 | ug/L | | | | | | |
| Bis(2-ethylhexyl )phthalate | <0.549 | U | 0.549 | ug/L | | | | | | |
| Butyl benzyl phthalate | 0.507 | J | 0.549 | ug/L | | | | | | |
| Chrysene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Diethyl phthalate | <0.549 | U | 0.549 | ug/L | | | | | | |
| Dimethyl phthalate | <0.549 | U | 0.549 | ug/L | | | | | | |
| Di-n-butyl phthalate | 1.97 | | 0.549 | ug/L | | | | | | |
| Di-n-octyl phthalate | <0.549 | U | 0.549 | ug/L | | | | | | |
| Fluoranthene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Fluorene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Hexachlorobenzene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Hexachlorocyclopentadiene | <0.549 | U | 0.549 | ug/L | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFB3690-BLK1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| Hexachloroethane | 0.455 | J | 0.549 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Isophorone | <0.549 | U | 0.549 | ug/L | | | | | | |
| Naphthalene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Nitrobenzene | <0.549 | U | 0.549 | ug/L | | | | | | |
| n-Nitrosodimethylamine | <2.20 | U | 2.20 | ug/L | | | | | | |
| n-Nitrosodi-n-propylamine | <0.549 | U | 0.549 | ug/L | | | | | | |
| n-Nitrosodiphenylamine | <0.549 | U | 0.549 | ug/L | | | | | | |
| Pentachlorophenol | <1.10 | U | 1.10 | ug/L | | | | | | |
| Phenanthrene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Phenol, Total | <1.10 | U | 1.10 | ug/L | | | | | | |
| Pyrene | <0.549 | U | 0.549 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.9* | *ug/L* | *9.77* | | *111* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.0* | *ug/L* | *19.5* | | *118* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.1* | *ug/L* | *19.5* | | *97.6* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.8* | *ug/L* | *9.77* | | *121* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.5* | *ug/L* | *19.5* | | *115* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *13.8* | *ug/L* | *9.77* | | *142* | *51.9-147* | | |
| **Blank (BFB3690-BLK2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.549 | U | 0.549 | ug/L | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <0.549 | U | 0.549 | ug/L | | | | | | |
| bis(2-Chloroethyl) ether | <0.549 | U | 0.549 | ug/L | | | | | | |
| Di-n-butyl phthalate | 3.00 | | 0.549 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.549 | U | 0.549 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.82* | *ug/L* | *9.77* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.9* | *ug/L* | *19.5* | | *112* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.2* | *ug/L* | *19.5* | | *88.0* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.2* | *ug/L* | *9.77* | | *125* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *25.2* | *ug/L* | *19.5* | | *129* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.82* | *ug/L* | *9.77* | | *101* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFB3690-BLK3)** | | | | | Prepared: 2/28/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.549 | U | 0.549 | ug/L | | | | | | |
| Benzidine | <0.549 | U | 0.549 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *8.71* | *ug/L* | *9.77* | | *89.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *12.4* | *ug/L* | *19.5* | | *63.4* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *13.1* | *ug/L* | *19.5* | | *67.0* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.79* | *ug/L* | *9.77* | | *100* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *13.9* | *ug/L* | *19.5* | | *71.0* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.39* | *ug/L* | *9.77* | | *85.9* | *51.9-147* | | |
| **LCS (BFB3690-BS1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 7.69 | | 0.556 | ug/L | 9.89 | | 77.7 | 22.3-156 | | |
| Benzidine | 8.31 | | 0.556 | ug/L | 9.89 | | 84.1 | 9.32-162 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.33* | *ug/L* | *9.89* | | *94.4* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *12.8* | *ug/L* | *19.8* | | *64.5* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *13.5* | *ug/L* | *19.8* | | *68.3* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.7* | *ug/L* | *9.89* | | *108* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *15.9* | *ug/L* | *19.8* | | *80.4* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.95* | *ug/L* | *9.89* | | *80.4* | *51.9-147* | | |
| **LCS (BFB3690-BS2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 8.03 | | 0.557 | ug/L | 9.91 | | 81.1 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.18 | | 0.557 | ug/L | 9.91 | | 82.6 | 60-140 | | |
| 1,2-Diphenylhydrazine | 7.27 | | 0.557 | ug/L | 9.91 | | 73.3 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.74 | | 0.557 | ug/L | 9.91 | | 68.0 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 8.06 | | 0.557 | ug/L | 9.91 | | 81.4 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 8.80 | | 0.557 | ug/L | 9.91 | | 88.8 | 60-140 | | |
| 2,4,6-Trichlorophenol | 12.4 | | 1.11 | ug/L | 19.8 | | 62.6 | 60-140 | | |
| 2,4-Dichlorophenol | 23.4 | | 0.557 | ug/L | 19.8 | | 118 | 60-140 | | |
| 2,4-Dimethylphenol | 19.0 | | 1.11 | ug/L | 19.8 | | 95.9 | 35.9-153 | | |
| 2,4-Dinitrophenol | 46.9 | | 4.46 | ug/L | 49.5 | | 94.7 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 7.48 | | 0.557 | ug/L | 9.91 | | 75.5 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 6.10 | | 0.557 | ug/L | 9.91 | | 61.5 | 60-140 | | |
| 2-Chloronaphthalene | 8.69 | | 0.557 | ug/L | 9.91 | | 87.7 | 60-140 | | |
| 2-Chlorophenol | 19.0 | | 1.11 | ug/L | 19.8 | | 95.8 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 17.8 | | 1.11 | ug/L | 19.8 | | 90.1 | 60-140 | | |
| 2-Nitrophenol | 17.5 | | 1.11 | ug/L | 19.8 | | 88.1 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 7.42 | | 0.557 | ug/L | 9.91 | | 74.8 | 60-140 | | |
| 4-Chloro-3-methylphenol | 20.8 | | 1.11 | ug/L | 19.8 | | 105 | 60-140 | | |
| 4-Chlorophenyl phenylether | 7.89 | | 0.557 | ug/L | 9.91 | | 79.6 | 60-140 | | |
| 4-Nitrophenol | 52.1 | | 4.46 | ug/L | 49.5 | | 105 | 60-140 | | |
| Acenaphthene | 7.55 | | 0.557 | ug/L | 9.91 | | 76.2 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3690-BS2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| Acenaphthylene | 7.99 | | 0.557 | ug/L | 9.91 | | 80.6 | 60-140 | | |
| Anthracene | 8.52 | | 0.557 | ug/L | 9.91 | | 86.0 | 60-140 | | |
| Benzo(a)anthracene | 7.60 | | 0.557 | ug/L | 9.91 | | 76.7 | 60-140 | | |
| Benzo(a)pyrene | 8.21 | | 0.557 | ug/L | 9.91 | | 82.8 | 60-140 | | |
| benzo(b&k)fluoranthene | 17.1 | | 0.557 | ug/L | 19.8 | | 86.2 | 60-140 | | |
| Benzo(g,h,i)perylene | 8.63 | | 0.557 | ug/L | 9.91 | | 87.1 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 9.43 | | 0.557 | ug/L | 9.91 | | 95.2 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 9.74 | | 0.557 | ug/L | 9.91 | | 98.3 | 60-140 | | |
| Butyl benzyl phthalate | 8.66 | | 0.557 | ug/L | 9.91 | | 87.4 | 60-140 | | |
| Chrysene | 9.00 | | 0.557 | ug/L | 9.91 | | 90.8 | 60-140 | | |
| Dibenzo(a,h)anthracene | 8.42 | | 0.557 | ug/L | 9.91 | | 85.0 | 60-140 | | |
| Diethyl phthalate | 8.43 | | 0.557 | ug/L | 9.91 | | 85.1 | 60-140 | | |
| Dimethyl phthalate | 7.66 | | 0.557 | ug/L | 9.91 | | 77.3 | 60-140 | | |
| Di-n-butyl phthalate | 12.0 | | 0.557 | ug/L | 9.91 | | 121 | 60-140 | | |
| Di-n-octyl phthalate | 9.01 | | 0.557 | ug/L | 9.91 | | 90.9 | 60-140 | | |
| Fluoranthene | 7.97 | | 0.557 | ug/L | 9.91 | | 80.4 | 60-140 | | |
| Fluorene | 8.60 | | 0.557 | ug/L | 9.91 | | 86.8 | 60-140 | | |
| Hexachlorobenzene | 8.15 | | 0.557 | ug/L | 9.91 | | 82.2 | 60-140 | | |
| Hexachlorobutadiene | 4.55 | J1 | 0.557 | ug/L | 9.91 | | 45.9 | 60-140 | | |
| Hexachlorocyclopentadiene | 6.61 | | 0.557 | ug/L | 9.91 | | 66.7 | 60-140 | | |
| Hexachloroethane | 6.62 | | 0.557 | ug/L | 9.91 | | 66.9 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 8.82 | | 0.557 | ug/L | 9.91 | | 89.1 | 60-140 | | |
| Isophorone | 9.32 | | 0.557 | ug/L | 9.91 | | 94.0 | 60-140 | | |
| Naphthalene | 9.27 | | 0.557 | ug/L | 9.91 | | 93.6 | 60-140 | | |
| Nitrobenzene | 8.70 | | 0.557 | ug/L | 9.91 | | 87.8 | 60-140 | | |
| n-Nitrosodimethylamine | 1.91 | J | 2.23 | ug/L | 49.5 | | 3.85 | 2.5-65.7 | | |
| n-Nitrosodi-n-propylamine | 9.07 | | 0.557 | ug/L | 9.91 | | 91.5 | 60-140 | | |
| n-Nitrosodiphenylamine | 5.21 | J1 | 0.557 | ug/L | 9.91 | | 52.6 | 60-140 | | |
| Pentachlorophenol | 18.6 | | 1.11 | ug/L | 19.8 | | 94.1 | 36.8-149 | | |
| Phenanthrene | 8.27 | | 0.557 | ug/L | 9.91 | | 83.4 | 60-140 | | |
| Phenol, Total | 22.1 | | 1.11 | ug/L | 19.8 | | 111 | 60-140 | | |
| Pyrene | 8.45 | | 0.557 | ug/L | 9.91 | | 85.3 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.8* | *ug/L* | *9.91* | | *109* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.2* | *ug/L* | *19.8* | | *102* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.5* | *ug/L* | *19.8* | | *93.4* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.26* | *ug/L* | *9.91* | | *93.5* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *17.1* | *ug/L* | *19.8* | | *86.4* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.6* | *ug/L* | *9.91* | | *107* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3690-BS3)** | | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.99 | | 0.557 | ug/L | 9.91 | | 90.7 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 7.95 | | 0.557 | ug/L | 9.91 | | 80.3 | 60-140 | | |
| bis(2-Chloroethyl) ether | 9.29 | | 0.557 | ug/L | 9.91 | | 93.7 | 60-140 | | |
| Di-n-butyl phthalate | 10.8 | | 0.557 | ug/L | 9.91 | | 109 | 60-140 | | |
| Hexachlorobutadiene | 5.69 | J1 | 0.557 | ug/L | 9.91 | | 57.5 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.5* | *ug/L* | *9.91* | | *106* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.5* | *ug/L* | *19.8* | | *108* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *21.1* | *ug/L* | *19.8* | | *107* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.9* | *ug/L* | *9.91* | | *120* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.3* | *ug/L* | *19.8* | | *138* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.55* | *ug/L* | *9.91* | | *86.3* | *51.9-147* | | |
| **LCS Dup (BFB3690-BSD1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 8.86 | | 0.556 | ug/L | 9.89 | | 89.6 | 22.3-156 | 14.2 | 40 |
| Benzidine | 10.1 | | 0.556 | ug/L | 9.89 | | 102 | 9.32-162 | 19.6 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.60* | *ug/L* | *9.89* | | *97.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *15.1* | *ug/L* | *19.8* | | *76.3* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *15.1* | *ug/L* | *19.8* | | *76.4* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.4* | *ug/L* | *9.89* | | *116* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.4* | *ug/L* | *19.8* | | *92.8* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.96* | *ug/L* | *9.89* | | *90.6* | *51.9-147* | | |
| **LCS Dup (BFB3690-BSD2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 9.39 | | 0.553 | ug/L | 9.82 | | 95.5 | 60-140 | 15.5 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.54 | | 0.553 | ug/L | 9.82 | | 87.0 | 60-140 | 4.29 | 40 |
| 1,2-Diphenylhydrazine | 8.87 | | 0.553 | ug/L | 9.82 | | 90.2 | 60-140 | 19.8 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 7.41 | | 0.553 | ug/L | 9.82 | | 75.4 | 60-140 | 9.50 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 10.5 | | 0.553 | ug/L | 9.82 | | 107 | 60-140 | 26.5 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 10.3 | | 0.553 | ug/L | 9.82 | | 105 | 60-140 | 15.5 | 40 |
| 2,4,6-Trichlorophenol | 12.5 | | 1.11 | ug/L | 19.6 | | 63.7 | 60-140 | 0.874 | 40 |
| 2,4-Dichlorophenol | 24.5 | | 0.553 | ug/L | 19.6 | | 125 | 60-140 | 4.57 | 40 |
| 2,4-Dimethylphenol | 22.0 | | 1.11 | ug/L | 19.6 | | 112 | 35.9-153 | 14.7 | 40 |
| 2,4-Dinitrophenol | 47.7 | | 4.42 | ug/L | 49.1 | | 97.2 | 60-140 | 1.72 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 9.24 | | 0.553 | ug/L | 9.82 | | 94.1 | 60-140 | 21.1 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 7.73 | | 0.553 | ug/L | 9.82 | | 78.7 | 60-140 | 23.6 | 40 |
| 2-Chloronaphthalene | 9.90 | | 0.553 | ug/L | 9.82 | | 101 | 60-140 | 13.0 | 40 |
| 2-Chlorophenol | 16.5 | | 1.11 | ug/L | 19.6 | | 84.1 | 60-140 | 13.9 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 19.9 | | 1.11 | ug/L | 19.6 | | 101 | 60-140 | 11.0 | 40 |
| 2-Nitrophenol | 21.4 | | 1.11 | ug/L | 19.6 | | 109 | 60-140 | 20.3 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 8.63 | | 0.553 | ug/L | 9.82 | | 87.9 | 60-140 | 15.2 | 40 |
| 4-Chloro-3-methylphenol | 22.6 | | 1.11 | ug/L | 19.6 | | 115 | 60-140 | 8.28 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3690-BSD2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 4-Chlorophenyl phenylether | 8.23 | | 0.553 | ug/L | 9.82 | | 83.8 | 60-140 | 4.29 | 40 |
| 4-Nitrophenol | 58.5 | | 4.42 | ug/L | 49.1 | | 119 | 60-140 | 11.6 | 40 |
| Acenaphthene | 9.16 | | 0.553 | ug/L | 9.82 | | 93.2 | 60-140 | 19.3 | 40 |
| Acenaphthylene | 8.43 | | 0.553 | ug/L | 9.82 | | 85.9 | 60-140 | 5.44 | 40 |
| Anthracene | 8.32 | | 0.553 | ug/L | 9.82 | | 84.7 | 60-140 | 2.38 | 40 |
| Benzo(a)anthracene | 8.82 | | 0.553 | ug/L | 9.82 | | 89.7 | 60-140 | 14.8 | 40 |
| Benzo(a)pyrene | 9.35 | | 0.553 | ug/L | 9.82 | | 95.2 | 60-140 | 13.0 | 40 |
| benzo(b&k)fluoranthene | 18.2 | | 0.553 | ug/L | 19.6 | | 92.9 | 60-140 | 6.59 | 40 |
| Benzo(g,h,i)perylene | 9.37 | | 0.553 | ug/L | 9.82 | | 95.4 | 60-140 | 8.21 | 40 |
| bis(2-Chloroethoxy)methane | 10.2 | | 0.553 | ug/L | 9.82 | | 104 | 60-140 | 8.01 | 40 |
| Bis(2-ethylhexyl )phthalate | 9.77 | | 0.553 | ug/L | 9.82 | | 99.5 | 60-140 | 0.306 | 40 |
| Butyl benzyl phthalate | 9.53 | | 0.553 | ug/L | 9.82 | | 97.0 | 60-140 | 9.55 | 40 |
| Chrysene | 9.67 | | 0.553 | ug/L | 9.82 | | 98.5 | 60-140 | 7.25 | 40 |
| Dibenzo(a,h)anthracene | 9.21 | | 0.553 | ug/L | 9.82 | | 93.8 | 60-140 | 8.96 | 40 |
| Diethyl phthalate | 9.02 | | 0.553 | ug/L | 9.82 | | 91.8 | 60-140 | 6.73 | 40 |
| Dimethyl phthalate | 9.07 | | 0.553 | ug/L | 9.82 | | 92.3 | 60-140 | 16.8 | 40 |
| Di-n-butyl phthalate | 13.1 | | 0.553 | ug/L | 9.82 | | 133 | 60-140 | 8.83 | 40 |
| Di-n-octyl phthalate | 9.65 | | 0.553 | ug/L | 9.82 | | 98.3 | 60-140 | 6.94 | 40 |
| Fluoranthene | 9.53 | | 0.553 | ug/L | 9.82 | | 97.0 | 60-140 | 17.8 | 40 |
| Fluorene | 10.2 | | 0.553 | ug/L | 9.82 | | 104 | 60-140 | 17.1 | 40 |
| Hexachlorobenzene | 8.91 | | 0.553 | ug/L | 9.82 | | 90.7 | 60-140 | 8.94 | 40 |
| Hexachlorobutadiene | 6.06 | | 0.553 | ug/L | 9.82 | | 61.7 | 60-140 | 28.4 | 40 |
| Hexachlorocyclopentadiene | 7.01 | | 0.553 | ug/L | 9.82 | | 71.4 | 60-140 | 5.90 | 40 |
| Hexachloroethane | 7.11 | | 0.553 | ug/L | 9.82 | | 72.4 | 60-140 | 7.07 | 40 |
| Indeno(1,2,3-cd) pyrene | 9.23 | | 0.553 | ug/L | 9.82 | | 93.9 | 60-140 | 4.45 | 40 |
| Isophorone | 10.4 | | 0.553 | ug/L | 9.82 | | 106 | 60-140 | 11.0 | 40 |
| Naphthalene | 9.80 | | 0.553 | ug/L | 9.82 | | 99.8 | 60-140 | 5.55 | 40 |
| Nitrobenzene | 10.1 | | 0.553 | ug/L | 9.82 | | 102 | 60-140 | 14.5 | 40 |
| n-Nitrosodimethylamine | 2.39 | | 2.21 | ug/L | 49.1 | | 4.86 | 2.5-65.7 | 22.4 | 40 |
| n-Nitrosodi-n-propylamine | 10.6 | | 0.553 | ug/L | 9.82 | | 108 | 60-140 | 16.0 | 40 |
| n-Nitrosodiphenylamine | 5.71 | J1 | 0.553 | ug/L | 9.82 | | 58.1 | 60-140 | 9.04 | 40 |
| Pentachlorophenol | 21.1 | | 1.11 | ug/L | 19.6 | | 107 | 36.8-149 | 12.5 | 40 |
| Phenanthrene | 9.58 | | 0.553 | ug/L | 9.82 | | 97.5 | 60-140 | 14.7 | 40 |
| Phenol, Total | 23.6 | | 1.11 | ug/L | 19.6 | | 120 | 60-140 | 6.57 | 40 |
| Pyrene | 9.65 | | 0.553 | ug/L | 9.82 | | 98.3 | 60-140 | 13.3 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.7* | *ug/L* | *9.82* | | *130* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *24.3* | *ug/L* | *19.6* | | *124* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *21.1* | *ug/L* | *19.6* | | *108* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.2* | *ug/L* | *9.82* | | *124* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.1* | *ug/L* | *19.6* | | *118* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *11.9* | *ug/L* | *9.82* | | *121* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3690-BSD3)** | | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 9.06 | | 0.553 | ug/L | 9.82 | | 92.2 | 60-140 | 0.742 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 8.59 | | 0.553 | ug/L | 9.82 | | 87.4 | 60-140 | 7.65 | 40 |
| bis(2-Chloroethyl) ether | 10.6 | | 0.553 | ug/L | 9.82 | | 108 | 60-140 | 13.2 | 40 |
| Di-n-butyl phthalate | 12.4 | | 0.553 | ug/L | 9.82 | | 126 | 60-140 | 13.5 | 40 |
| Hexachlorobutadiene | 6.31 | | 0.553 | ug/L | 9.82 | | 64.3 | 60-140 | 10.3 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.9* | *ug/L* | *9.82* | | *111* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.8* | *ug/L* | *19.6* | | *111* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *22.2* | *ug/L* | *19.6* | | *113* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *13.3* | *ug/L* | *9.82* | | *135* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *29.1* | *ug/L* | *19.6* | | *148* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.51* | *ug/L* | *9.82* | | *96.9* | *51.9-147* | | |
| **MDL BENZ (BFB3690-MRL1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.549 | J1, U | 0.549 | ug/L | 0.488 | | | 50-150 | | |
| Benzidine | <0.549 | J1, U | 0.549 | ug/L | 0.488 | | | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.47* | *ug/L* | *9.76* | | *97.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *12.9* | *ug/L* | *19.5* | | *66.2* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *15.0* | *ug/L* | *19.5* | | *77.1* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.1* | *ug/L* | *9.76* | | *114* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *17.9* | *ug/L* | *19.5* | | *92.0* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.97* | *ug/L* | *9.76* | | *81.7* | *51.9-147* | | |
| **MDL SV (BFB3690-MRL2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 0.834 | J1 | 0.555 | ug/L | 0.493 | | 169 | 50-150 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 0.375 | J | 0.555 | ug/L | 0.493 | | 75.9 | 50-150 | | |
| 1,2-Diphenylhydrazine | 0.429 | J | 0.555 | ug/L | 0.493 | | 87.0 | 50-150 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 0.323 | J | 0.555 | ug/L | 0.493 | | 65.4 | 50-150 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 0.296 | J | 0.555 | ug/L | 0.493 | | 60.0 | 50-150 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 0.584 | | 0.555 | ug/L | 0.493 | | 118 | 50-150 | | |
| 2,4,6-Trichlorophenol | 1.49 | J1 | 1.11 | ug/L | 0.987 | | 151 | 50-150 | | |
| 2,4-Dichlorophenol | 1.13 | | 0.555 | ug/L | 0.987 | | 114 | 50-150 | | |
| 2,4-Dimethylphenol | 1.76 | J1 | 1.11 | ug/L | 0.987 | | 178 | 50-150 | | |
| 2,4-Dinitrophenol | <4.44 | J1, U | 4.44 | ug/L | 2.47 | | | 50-150 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.555 | J1, U | 0.555 | ug/L | 0.493 | | | 50-150 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 0.325 | J | 0.555 | ug/L | 0.493 | | 65.8 | 50-150 | | |
| 2-Chloronaphthalene | 0.566 | | 0.555 | ug/L | 0.493 | | 115 | 50-150 | | |
| 2-Chlorophenol | 0.851 | J | 1.11 | ug/L | 0.987 | | 86.2 | 50-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 1.29 | | 1.11 | ug/L | 0.987 | | 131 | 50-150 | | |
| 2-Nitrophenol | 0.896 | J | 1.11 | ug/L | 0.987 | | 90.8 | 50-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 0.737 | | 0.555 | ug/L | 0.493 | | 149 | 50-150 | | |
| 4-Chloro-3-methylphenol | 1.51 | J1 | 1.11 | ug/L | 0.987 | | 153 | 50-150 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFB3690-MRL2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 4-Chlorophenyl phenylether | 0.582 | | 0.555 | ug/L | 0.493 | | 118 | 50-150 | | |
| 4-Nitrophenol | 4.86 | J1 | 4.44 | ug/L | 2.47 | | 197 | 50-150 | | |
| Acenaphthene | 0.451 | J | 0.555 | ug/L | 0.493 | | 91.4 | 50-150 | | |
| Acenaphthylene | 0.536 | J | 0.555 | ug/L | 0.493 | | 109 | 50-150 | | |
| Anthracene | 0.517 | J | 0.555 | ug/L | 0.493 | | 105 | 50-150 | | |
| Benzo(a)anthracene | 0.461 | J | 0.555 | ug/L | 0.493 | | 93.5 | 50-150 | | |
| Benzo(a)pyrene | 0.542 | J | 0.555 | ug/L | 0.493 | | 110 | 50-150 | | |
| benzo(b&k)fluoranthene | 1.12 | | 0.555 | ug/L | 0.987 | | 113 | 50-150 | | |
| Benzo(g,h,i)perylene | 0.486 | J | 0.555 | ug/L | 0.493 | | 98.5 | 50-150 | | |
| bis(2-Chloroethoxy)methane | 0.667 | | 0.555 | ug/L | 0.493 | | 135 | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 0.447 | J | 0.555 | ug/L | 0.493 | | 90.6 | 50-150 | | |
| Butyl benzyl phthalate | 0.990 | J1 | 0.555 | ug/L | 0.493 | | 201 | 50-150 | | |
| Chrysene | 0.495 | J | 0.555 | ug/L | 0.493 | | 100 | 50-150 | | |
| Dibenzo(a,h)anthracene | 0.496 | J | 0.555 | ug/L | 0.493 | | 101 | 50-150 | | |
| Diethyl phthalate | 0.361 | J | 0.555 | ug/L | 0.493 | | 73.2 | 50-150 | | |
| Dimethyl phthalate | 0.403 | J | 0.555 | ug/L | 0.493 | | 81.7 | 50-150 | | |
| Di-n-butyl phthalate | 3.59 | J1 | 0.555 | ug/L | 0.493 | | 727 | 50-150 | | |
| Di-n-octyl phthalate | 0.474 | J | 0.555 | ug/L | 0.493 | | 96.2 | 50-150 | | |
| Fluoranthene | <0.555 | J1, U | 0.555 | ug/L | 0.493 | | | 50-150 | | |
| Fluorene | 0.490 | J | 0.555 | ug/L | 0.493 | | 99.4 | 50-150 | | |
| Hexachlorobenzene | 0.576 | | 0.555 | ug/L | 0.493 | | 117 | 50-150 | | |
| Hexachlorobutadiene | 0.516 | J | 0.555 | ug/L | 0.493 | | 104 | 50-150 | | |
| Hexachlorocyclopentadiene | 0.462 | J | 0.555 | ug/L | 0.493 | | 93.7 | 50-150 | | |
| Hexachloroethane | 0.610 | | 0.555 | ug/L | 0.493 | | 124 | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | 0.636 | | 0.555 | ug/L | 0.493 | | 129 | 50-150 | | |
| Isophorone | 0.670 | | 0.555 | ug/L | 0.493 | | 136 | 50-150 | | |
| Naphthalene | 0.501 | J | 0.555 | ug/L | 0.493 | | 102 | 50-150 | | |
| Nitrobenzene | 0.502 | J | 0.555 | ug/L | 0.493 | | 102 | 50-150 | | |
| n-Nitrosodimethylamine | <2.22 | J1, U | 2.22 | ug/L | 2.47 | | | 50-150 | | |
| n-Nitrosodi-n-propylamine | 0.609 | | 0.555 | ug/L | 0.493 | | 123 | 50-150 | | |
| n-Nitrosodiphenylamine | 0.517 | J | 0.555 | ug/L | 0.493 | | 105 | 50-150 | | |
| Pentachlorophenol | 1.43 | | 1.11 | ug/L | 0.987 | | 145 | 50-150 | | |
| Phenanthrene | 0.415 | J | 0.555 | ug/L | 0.493 | | 84.2 | 50-150 | | |
| Phenol, Total | 1.63 | J1 | 1.11 | ug/L | 0.987 | | 165 | 50-150 | | |
| Pyrene | 0.586 | | 0.555 | ug/L | 0.493 | | 119 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *11.8* | *ug/L* | *9.87* | | *120* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.9* | *ug/L* | *19.7* | | *116* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.7* | *ug/L* | *19.7* | | *99.6* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.3* | *ug/L* | *9.87* | | *104* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.2* | *ug/L* | *19.7* | | *102* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *12.7* | *ug/L* | *9.87* | | *129* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFB3690-MRL3)** | | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 0.546 | J | 0.555 | ug/L | 0.493 | | 111 | 50-150 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 0.553 | J | 0.555 | ug/L | 0.493 | | 112 | 50-150 | | |
| bis(2-Chloroethyl) ether | 0.585 | | 0.555 | ug/L | 0.493 | | 119 | 50-150 | | |
| Di-n-butyl phthalate | 4.34 | J1 | 0.555 | ug/L | 0.493 | | 880 | 50-150 | | |
| Hexachlorobutadiene | <0.555 | J1, U | 0.555 | ug/L | 0.493 | | | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.2* | *ug/L* | *9.87* | | *104* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.6* | *ug/L* | *19.7* | | *110* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.6* | *ug/L* | *19.7* | | *89.1* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.6* | *ug/L* | *9.87* | | *128* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.1* | *ug/L* | *19.7* | | *137* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.89* | *ug/L* | *9.87* | | *100* | *51.9-147* | | |
| **Matrix Spike (BFB3690-MS1)** | | **Source: 22B3212-01** | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 29.1 | | 2.16 | ug/L | 38.5 | <2.16 | 75.6 | 35.3-142 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 31.2 | | 2.16 | ug/L | 38.5 | <2.16 | 81.0 | 31.4-142 | | |
| 1,2-Diphenylhydrazine | 39.8 | | 2.16 | ug/L | 38.5 | <2.16 | 103 | 48.9-156 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 27.0 | | 2.16 | ug/L | 38.5 | <2.16 | 70.3 | 30.5-135 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 26.8 | | 2.16 | ug/L | 38.5 | <2.16 | 69.6 | 37.2-133 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 38.7 | | 2.16 | ug/L | 38.5 | <2.16 | 101 | 41.7-151 | | |
| 2,4,6-Trichlorophenol | 61.4 | | 4.33 | ug/L | 76.9 | <4.33 | 79.8 | 34.7-143 | | |
| 2,4-Dichlorophenol | 109 | | 2.16 | ug/L | 76.9 | <2.16 | 142 | 42.7-158 | | |
| 2,4-Dimethylphenol | 79.4 | | 4.33 | ug/L | 76.9 | <4.33 | 103 | 38.4-170 | | |
| 2,4-Dinitrophenol | 221 | | 17.3 | ug/L | 192 | <17.3 | 115 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 33.5 | | 2.16 | ug/L | 38.5 | <2.16 | 87.2 | 50.3-144 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 33.9 | | 2.16 | ug/L | 38.5 | <2.16 | 88.2 | 43.7-157 | | |
| 2-Chloronaphthalene | 37.3 | | 2.16 | ug/L | 38.5 | <2.16 | 96.9 | 27.4-158 | | |
| 2-Chlorophenol | 58.7 | | 4.33 | ug/L | 76.9 | <4.33 | 76.3 | 49.2-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 102 | | 4.33 | ug/L | 76.9 | <4.33 | 133 | 41.9-153 | | |
| 2-Nitrophenol | 76.2 | | 4.33 | ug/L | 76.9 | <4.33 | 99.0 | 51.9-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 36.1 | | 2.16 | ug/L | 38.5 | <2.16 | 93.8 | 45.2-146 | | |
| 4-Chloro-3-methylphenol | 99.4 | | 4.33 | ug/L | 76.9 | 4.45 | 123 | 46.9-147 | | |
| 4-Chlorophenyl phenylether | 36.7 | | 2.16 | ug/L | 38.5 | <2.16 | 95.5 | 44.5-143 | | |
| 4-Nitrophenol | 287 | | 17.3 | ug/L | 192 | <17.3 | 149 | 2-173 | | |
| Acenaphthene | 35.0 | | 2.16 | ug/L | 38.5 | <2.16 | 91.0 | 47.3-149 | | |
| Acenaphthylene | 34.3 | | 2.16 | ug/L | 38.5 | <2.16 | 89.1 | 56.5-173 | | |
| Anthracene | 33.7 | | 2.16 | ug/L | 38.5 | <2.16 | 87.5 | 49.7-160 | | |
| Benzo(a)anthracene | 33.8 | | 2.16 | ug/L | 38.5 | <2.16 | 87.8 | 41.7-151 | | |
| Benzo(a)pyrene | 36.5 | | 2.16 | ug/L | 38.5 | <2.16 | 94.9 | 45.4-133 | | |
| benzo(b&k)fluoranthene | 72.9 | | 2.16 | ug/L | 76.9 | <2.16 | 94.7 | 55.3-137 | | |
| Benzo(g,h,i)perylene | 35.0 | | 2.16 | ug/L | 38.5 | <2.16 | 91.1 | 37.9-152 | | |
| bis(2-Chloroethoxy)methane | 44.9 | | 2.16 | ug/L | 38.5 | <2.16 | 117 | 40.1-151 | | |
| Bis(2-ethylhexyl )phthalate | 34.5 | | 2.16 | ug/L | 38.5 | <2.16 | 89.7 | 38.3-135 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3690-MS1)** | **Source: 22B3212-01** | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| Butyl benzyl phthalate | 36.7 | | 2.16 | ug/L | 38.5 | <2.16 | 95.5 | 41.1-148 | | |
| Chrysene | 36.3 | | 2.16 | ug/L | 38.5 | <2.16 | 94.4 | 51-147 | | |
| Dibenzo(a,h)anthracene | 34.4 | | 2.16 | ug/L | 38.5 | <2.16 | 89.3 | 27.5-156 | | |
| Diethyl phthalate | 36.8 | | 2.16 | ug/L | 38.5 | <2.16 | 95.8 | 53.4-146 | | |
| Dimethyl phthalate | 37.7 | | 2.16 | ug/L | 38.5 | <2.16 | 98.0 | 53-151 | | |
| Di-n-butyl phthalate | 47.6 | | 2.16 | ug/L | 38.5 | 15.7 | 82.9 | 25.4-168 | | |
| Di-n-octyl phthalate | 34.5 | | 2.16 | ug/L | 38.5 | <2.16 | 89.7 | 39.2-123 | | |
| Fluoranthene | 34.1 | | 2.16 | ug/L | 38.5 | <2.16 | 88.6 | 45.3-156 | | |
| Fluorene | 40.4 | | 2.16 | ug/L | 38.5 | <2.16 | 105 | 56.3-145 | | |
| Hexachlorobenzene | 38.7 | | 2.16 | ug/L | 38.5 | <2.16 | 101 | 56.1-137 | | |
| Hexachlorobutadiene | 28.2 | | 2.16 | ug/L | 38.5 | <2.16 | 73.4 | 33.1-110 | | |
| Hexachlorocyclopentadiene | 23.2 | | 2.16 | ug/L | 38.5 | <2.16 | 60.2 | 2-179 | | |
| Hexachloroethane | 22.2 | | 2.16 | ug/L | 38.5 | <2.16 | 57.8 | 36.2-106 | | |
| Indeno(1,2,3-cd) pyrene | 36.2 | | 2.16 | ug/L | 38.5 | <2.16 | 94.2 | 33.4-153 | | |
| Isophorone | 42.0 | | 2.16 | ug/L | 38.5 | <2.16 | 109 | 43.3-154 | | |
| Naphthalene | 40.5 | | 2.16 | ug/L | 38.5 | <2.16 | 105 | 45.1-153 | | |
| Nitrobenzene | 40.3 | | 2.16 | ug/L | 38.5 | <2.16 | 105 | 54.9-156 | | |
| n-Nitrosodimethylamine | <8.65 | J1, U | 8.65 | ug/L | 192 | <8.65 | | 2-56.4 | | |
| n-Nitrosodi-n-propylamine | 41.0 | | 2.16 | ug/L | 38.5 | <2.16 | 107 | 38.3-160 | | |
| n-Nitrosodiphenylamine | 19.0 | | 2.16 | ug/L | 38.5 | <2.16 | 49.4 | 38.1-163 | | |
| Pentachlorophenol | 91.6 | | 4.33 | ug/L | 76.9 | <4.33 | 119 | 42.2-151 | | |
| Phenanthrene | 34.3 | | 2.16 | ug/L | 38.5 | <2.16 | 89.2 | 45.3-165 | | |
| Phenol, Total | 98.5 | | 4.33 | ug/L | 76.9 | <4.33 | 128 | 39.8-164 | | |
| Pyrene | 37.8 | | 2.16 | ug/L | 38.5 | <2.16 | 98.4 | 46.3-149 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *51.1* | *ug/L* | *38.5* | | *133* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *86.3* | *ug/L* | *76.9* | | *112* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | *S* | | *109* | *ug/L* | *76.9* | | *142* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *53.3* | *ug/L* | *38.5* | | *139* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *95.6* | *ug/L* | *76.9* | | *124* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *44.6* | *ug/L* | *38.5* | | *116* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3690-MS2)** | | | **Source: 22B3212-01RE1** | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 41.8 | | 2.16 | ug/L | 38.5 | <2.16 | 109 | 50.3-144 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 39.4 | | 2.16 | ug/L | 38.5 | <2.16 | 102 | 43.7-157 | | |
| bis(2-Chloroethyl) ether | 31.7 | | 2.16 | ug/L | 38.5 | <2.16 | 82.5 | 45.9-163 | | |
| Di-n-butyl phthalate | 44.6 | | 2.16 | ug/L | 38.5 | 15.9 | 74.5 | 25.4-168 | | |
| Hexachlorobutadiene | 22.4 | | 2.16 | ug/L | 38.5 | <2.16 | 58.2 | 33.1-110 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *38.9* | *ug/L* | *38.5* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *85.6* | *ug/L* | *76.9* | | *111* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *97.7* | *ug/L* | *76.9* | | *127* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *47.3* | *ug/L* | *38.5* | | *123* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *102* | *ug/L* | *76.9* | | *133* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *37.6* | *ug/L* | *38.5* | | *97.6* | *51.9-147* | | |
| **Matrix Spike Dup (BFB3690-MSD1)** | | | **Source: 22B3212-01** | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 31.6 | | 2.21 | ug/L | 39.2 | <2.21 | 80.6 | 35.3-142 | 8.33 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 30.0 | | 2.21 | ug/L | 39.2 | <2.21 | 76.5 | 31.4-142 | 3.76 | 40 |
| 1,2-Diphenylhydrazine | 34.7 | | 2.21 | ug/L | 39.2 | <2.21 | 88.5 | 48.9-156 | 13.6 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 28.5 | | 2.21 | ug/L | 39.2 | <2.21 | 72.7 | 30.5-135 | 5.28 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 27.4 | | 2.21 | ug/L | 39.2 | <2.21 | 70.0 | 37.2-133 | 2.52 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 39.1 | | 2.21 | ug/L | 39.2 | <2.21 | 99.7 | 41.7-151 | 0.985 | 40 |
| 2,4,6-Trichlorophenol | 66.3 | | 4.41 | ug/L | 78.4 | <4.41 | 84.5 | 34.7-143 | 7.70 | 40 |
| 2,4-Dichlorophenol | 144 | J1 | 2.21 | ug/L | 78.4 | <2.21 | 184 | 42.7-158 | 27.6 | 40 |
| 2,4-Dimethylphenol | 88.5 | | 4.41 | ug/L | 78.4 | <4.41 | 113 | 38.4-170 | 10.8 | 40 |
| 2,4-Dinitrophenol | 230 | | 17.6 | ug/L | 196 | <17.6 | 117 | 60-140 | 3.74 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 41.4 | | 2.21 | ug/L | 39.2 | <2.21 | 106 | 50.3-144 | 21.0 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 35.0 | | 2.21 | ug/L | 39.2 | <2.21 | 89.1 | 43.7-157 | 3.01 | 40 |
| 2-Chloronaphthalene | 40.4 | | 2.21 | ug/L | 39.2 | <2.21 | 103 | 27.4-158 | 8.12 | 40 |
| 2-Chlorophenol | 92.2 | J1 | 4.41 | ug/L | 78.4 | <4.41 | 117 | 49.2-150 | 44.3 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 95.0 | | 4.41 | ug/L | 78.4 | <4.41 | 121 | 41.9-153 | 7.35 | 40 |
| 2-Nitrophenol | 73.8 | | 4.41 | ug/L | 78.4 | <4.41 | 94.1 | 51.9-150 | 3.16 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 38.7 | | 2.21 | ug/L | 39.2 | <2.21 | 98.6 | 45.2-146 | 6.99 | 40 |
| 4-Chloro-3-methylphenol | 94.8 | | 4.41 | ug/L | 78.4 | 4.45 | 115 | 46.9-147 | 4.78 | 40 |
| 4-Chlorophenyl phenylether | 35.8 | | 2.21 | ug/L | 39.2 | <2.21 | 91.4 | 44.5-143 | 2.53 | 40 |
| 4-Nitrophenol | 269 | | 17.6 | ug/L | 196 | <17.6 | 137 | 2-173 | 6.48 | 40 |
| Acenaphthene | 35.2 | | 2.21 | ug/L | 39.2 | <2.21 | 89.7 | 47.3-149 | 0.489 | 40 |
| Acenaphthylene | 33.7 | | 2.21 | ug/L | 39.2 | <2.21 | 85.9 | 56.5-173 | 1.70 | 40 |
| Anthracene | 37.6 | | 2.21 | ug/L | 39.2 | <2.21 | 96.0 | 49.7-160 | 11.1 | 40 |
| Benzo(a)anthracene | 29.7 | | 2.21 | ug/L | 39.2 | <2.21 | 75.7 | 41.7-151 | 12.9 | 40 |
| Benzo(a)pyrene | 36.0 | | 2.21 | ug/L | 39.2 | <2.21 | 91.8 | 45.4-133 | 1.38 | 40 |
| benzo(b&k)fluoranthene | 73.7 | | 2.21 | ug/L | 78.4 | <2.21 | 93.9 | 55.3-137 | 1.10 | 40 |
| Benzo(g,h,i)perylene | 38.4 | | 2.21 | ug/L | 39.2 | <2.21 | 97.8 | 37.9-152 | 9.07 | 40 |
| bis(2-Chloroethoxy)methane | 38.9 | | 2.21 | ug/L | 39.2 | <2.21 | 99.3 | 40.1-151 | 14.2 | 40 |
| Bis(2-ethylhexyl )phthalate | 36.7 | | 2.21 | ug/L | 39.2 | <2.21 | 93.6 | 38.3-135 | 6.13 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB3690-MSD1)** | | **Source: 22B3212-01** | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| Butyl benzyl phthalate | 37.7 | | 2.21 | ug/L | 39.2 | <2.21 | 96.2 | 41.1-148 | 2.66 | 40 |
| Chrysene | 39.7 | | 2.21 | ug/L | 39.2 | <2.21 | 101 | 51-147 | 8.99 | 40 |
| Dibenzo(a,h)anthracene | 36.5 | | 2.21 | ug/L | 39.2 | <2.21 | 93.1 | 27.5-156 | 6.02 | 40 |
| Diethyl phthalate | 37.0 | | 2.21 | ug/L | 39.2 | <2.21 | 94.3 | 53.4-146 | 0.362 | 40 |
| Dimethyl phthalate | 36.9 | | 2.21 | ug/L | 39.2 | <2.21 | 94.2 | 53-151 | 2.00 | 40 |
| Di-n-butyl phthalate | 50.5 | | 2.21 | ug/L | 39.2 | 15.7 | 88.7 | 25.4-168 | 5.90 | 40 |
| Di-n-octyl phthalate | 35.3 | | 2.21 | ug/L | 39.2 | <2.21 | 90.0 | 39.2-123 | 2.34 | 40 |
| Fluoranthene | 39.2 | | 2.21 | ug/L | 39.2 | <2.21 | 100 | 45.3-156 | 14.0 | 40 |
| Fluorene | 39.5 | | 2.21 | ug/L | 39.2 | <2.21 | 101 | 56.3-145 | 2.25 | 40 |
| Hexachlorobenzene | 34.7 | | 2.21 | ug/L | 39.2 | <2.21 | 88.4 | 56.1-137 | 10.9 | 40 |
| Hexachlorobutadiene | 24.5 | | 2.21 | ug/L | 39.2 | <2.21 | 62.4 | 33.1-110 | 14.3 | 40 |
| Hexachlorocyclopentadiene | 27.9 | | 2.21 | ug/L | 39.2 | <2.21 | 71.2 | 2-179 | 18.7 | 40 |
| Hexachloroethane | 32.1 | | 2.21 | ug/L | 39.2 | <2.21 | 81.9 | 36.2-106 | 36.4 | 40 |
| Indeno(1,2,3-cd) pyrene | 38.5 | | 2.21 | ug/L | 39.2 | <2.21 | 98.3 | 33.4-153 | 6.24 | 40 |
| Isophorone | 43.2 | | 2.21 | ug/L | 39.2 | <2.21 | 110 | 43.3-154 | 2.90 | 40 |
| Naphthalene | 39.1 | | 2.21 | ug/L | 39.2 | <2.21 | 99.6 | 45.1-153 | 3.55 | 40 |
| Nitrobenzene | 39.7 | | 2.21 | ug/L | 39.2 | <2.21 | 101 | 54.9-156 | 1.60 | 40 |
| n-Nitrosodimethylamine | <8.82 | J1, U | 8.82 | ug/L | 196 | <8.82 | | 2-56.4 | | 40 |
| n-Nitrosodi-n-propylamine | 40.2 | | 2.21 | ug/L | 39.2 | <2.21 | 102 | 38.3-160 | 2.01 | 40 |
| n-Nitrosodiphenylamine | 5.64 | J1 | 2.21 | ug/L | 39.2 | <2.21 | 14.4 | 38.1-163 | 108 | 40 |
| Pentachlorophenol | 92.2 | | 4.41 | ug/L | 78.4 | <4.41 | 118 | 42.2-151 | 0.633 | 40 |
| Phenanthrene | 33.7 | | 2.21 | ug/L | 39.2 | <2.21 | 85.9 | 45.3-165 | 1.81 | 40 |
| Phenol, Total | 100 | | 4.41 | ug/L | 78.4 | <4.41 | 128 | 39.8-164 | 1.91 | 40 |
| Pyrene | 38.3 | | 2.21 | ug/L | 39.2 | <2.21 | 97.6 | 46.3-149 | 1.20 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *53.7* | *ug/L* | *39.2* | | *137* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *92.9* | *ug/L* | *78.4* | | *118* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *102* | *ug/L* | *78.4* | | *130* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *46.9* | *ug/L* | *39.2* | | *120* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *87.8* | *ug/L* | *78.4* | | *112* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *45.9* | *ug/L* | *39.2* | | *117* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB3690-MSD2)** | **Source: 22B3212-01RE1** | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 36.8 | | 2.21 | ug/L | 39.2 | <2.21 | 93.8 | 50.3-144 | 12.7 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 34.7 | | 2.21 | ug/L | 39.2 | <2.21 | 88.5 | 43.7-157 | 12.6 | 40 |
| bis(2-Chloroethyl) ether | 32.9 | | 2.21 | ug/L | 39.2 | <2.21 | 84.0 | 45.9-163 | 3.64 | 40 |
| Di-n-butyl phthalate | 44.3 | | 2.21 | ug/L | 39.2 | 15.9 | 72.4 | 25.4-168 | 0.671 | 40 |
| Hexachlorobutadiene | 25.1 | | 2.21 | ug/L | 39.2 | <2.21 | 64.0 | 33.1-110 | 11.5 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *42.9* | *ug/L* | *39.2* | | *109* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *88.8* | *ug/L* | *78.4* | | *113* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *88.4* | *ug/L* | *78.4* | | *113* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *47.6* | *ug/L* | *39.2* | | *121* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *112* | *ug/L* | *78.4* | | *143* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *37.9* | *ug/L* | *39.2* | | *96.7* | *51.9-147* | | |
| ***Batch: BFC0542 - SW-3511*** | | | | | | | | | | |
| **Blank (BFC0542-BLK1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.555 | U | 0.555 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.555 | U | 0.555 | ug/L | | | | | | |
| 1,2-Diphenylhydrazine | <0.555 | U | 0.555 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.555 | U | 0.555 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.555 | U | 0.555 | ug/L | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <0.555 | U | 0.555 | ug/L | | | | | | |
| 2,4,6-Trichlorophenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.555 | U | 0.555 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.44 | U | 4.44 | ug/L | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.555 | U | 0.555 | ug/L | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <0.555 | U | 0.555 | ug/L | | | | | | |
| 2-Chloronaphthalene | <0.555 | U | 0.555 | ug/L | | | | | | |
| 2-Chlorophenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <1.11 | U | 1.11 | ug/L | | | | | | |
| 2-Nitrophenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <0.555 | U | 0.555 | ug/L | | | | | | |
| 4-Chloro-3-methylphenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 4-Chlorophenyl phenylether | <0.555 | U | 0.555 | ug/L | | | | | | |
| 4-Nitrophenol | <4.44 | U | 4.44 | ug/L | | | | | | |
| Acenaphthene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Acenaphthylene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Anthracene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.555 | U | 0.555 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <0.555 | U | 0.555 | ug/L | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFC0542-BLK1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| Benzo(g,h,i)perylene | <0.555 | U | 0.555 | ug/L | | | | | | |
| bis(2-Chloroethoxy)methane | <0.555 | U | 0.555 | ug/L | | | | | | |
| bis(2-Chloroethyl) ether | <0.555 | U | 0.555 | ug/L | | | | | | |
| Bis(2-ethylhexyl )phthalate | 0.302 | J | 0.555 | ug/L | | | | | | |
| Butyl benzyl phthalate | <0.555 | U | 0.555 | ug/L | | | | | | |
| Chrysene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Diethyl phthalate | <0.555 | U | 0.555 | ug/L | | | | | | |
| Dimethyl phthalate | <0.555 | U | 0.555 | ug/L | | | | | | |
| Di-n-butyl phthalate | 1.64 | R | 0.555 | ug/L | | | | | | |
| Di-n-octyl phthalate | <0.555 | U | 0.555 | ug/L | | | | | | |
| Fluoranthene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Fluorene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Hexachlorobenzene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Hexachlorocyclopentadiene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Hexachloroethane | <0.555 | U | 0.555 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Isophorone | <0.555 | U | 0.555 | ug/L | | | | | | |
| Naphthalene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Nitrobenzene | <0.555 | U | 0.555 | ug/L | | | | | | |
| n-Nitrosodimethylamine | <2.22 | U | 2.22 | ug/L | | | | | | |
| n-Nitrosodi-n-propylamine | <0.555 | U | 0.555 | ug/L | | | | | | |
| n-Nitrosodiphenylamine | <0.555 | U | 0.555 | ug/L | | | | | | |
| Pentachlorophenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| Phenanthrene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Phenol, Total | <1.11 | U | 1.11 | ug/L | | | | | | |
| Pyrene | <0.555 | U | 0.555 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.52* | *ug/L* | *9.86* | | *96.5* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.4* | *ug/L* | *19.7* | | *109* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.2* | *ug/L* | *19.7* | | *92.0* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.1* | *ug/L* | *9.86* | | *113* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.7* | *ug/L* | *19.7* | | *94.8* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.76* | *ug/L* | *9.86* | | *99.0* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFC0542-BLK2)** | | | | | Prepared: 3/3/2022 Analyzed: 3/22/2022 | | | | | |
| 2-Chloronaphthalene | <0.555 | U | 0.555 | ug/L | | | | | | |
| Di-n-butyl phthalate | 3.69 | | 0.555 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.01* | *ug/L* | *9.86* | | *91.4* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *19.5* | *ug/L* | *19.7* | | *99.1* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *14.8* | *ug/L* | *19.7* | | *75.1* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.7* | *ug/L* | *9.86* | | *108* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *24.4* | *ug/L* | *19.7* | | *124* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.72* | *ug/L* | *9.86* | | *98.6* | *51.9-147* | | |
| **Blank (BFC0542-BLK3)** | | | | | Prepared: 3/3/2022 Analyzed: 3/24/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.555 | U | 0.555 | ug/L | | | | | | |
| Benzidine | <0.555 | U | 0.555 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *8.90* | *ug/L* | *9.86* | | *90.2* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *19.2* | *ug/L* | *19.7* | | *97.6* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *5.34* | *ug/L* | *19.7* | | *27.1* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.38* | *ug/L* | *9.86* | | *95.1* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *14.4* | *ug/L* | *19.7* | | *72.9* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.81* | *ug/L* | *9.86* | | *89.3* | *51.9-147* | | |
| **LCS (BFC0542-BS1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 8.28 | | 0.552 | ug/L | 9.81 | | 84.4 | 22.3-156 | | |
| Benzidine | 7.09 | | 0.552 | ug/L | 9.81 | | 72.3 | 9.32-162 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.38* | *ug/L* | *9.81* | | *95.6* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.0* | *ug/L* | *19.6* | | *107* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *16.5* | *ug/L* | *19.6* | | *84.0* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.6* | *ug/L* | *9.81* | | *108* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.6* | *ug/L* | *19.6* | | *105* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.97* | *ug/L* | *9.81* | | *81.3* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC0542-BS2)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.16 | | 0.559 | ug/L | 9.94 | | 72.0 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 6.68 | | 0.559 | ug/L | 9.94 | | 67.1 | 60-140 | | |
| 1,2-Diphenylhydrazine | 9.77 | | 0.559 | ug/L | 9.94 | | 98.3 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.27 | | 0.559 | ug/L | 9.94 | | 63.0 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 6.38 | | 0.559 | ug/L | 9.94 | | 64.2 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 9.83 | | 0.559 | ug/L | 9.94 | | 98.9 | 60-140 | | |
| 2,4,6-Trichlorophenol | 24.3 | | 1.12 | ug/L | 19.9 | | 122 | 60-140 | | |
| 2,4-Dichlorophenol | 23.8 | | 0.559 | ug/L | 19.9 | | 120 | 60-140 | | |
| 2,4-Dimethylphenol | 22.0 | | 1.12 | ug/L | 19.9 | | 111 | 35.9-153 | | |
| 2,4-Dinitrophenol | 52.0 | | 4.47 | ug/L | 49.7 | | 105 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 10.0 | | 0.559 | ug/L | 9.94 | | 101 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 9.67 | | 0.559 | ug/L | 9.94 | | 97.3 | 60-140 | | |
| 2-Chloronaphthalene | 9.95 | | 0.559 | ug/L | 9.94 | | 100 | 60-140 | | |
| 2-Chlorophenol | 16.6 | | 1.12 | ug/L | 19.9 | | 83.7 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 19.7 | | 1.12 | ug/L | 19.9 | | 99.1 | 60-140 | | |
| 2-Nitrophenol | 17.0 | | 1.12 | ug/L | 19.9 | | 85.7 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 9.22 | | 0.559 | ug/L | 9.94 | | 92.7 | 60-140 | | |
| 4-Chloro-3-methylphenol | 24.5 | | 1.12 | ug/L | 19.9 | | 123 | 60-140 | | |
| 4-Chlorophenyl phenylether | 9.24 | | 0.559 | ug/L | 9.94 | | 92.9 | 60-140 | | |
| 4-Nitrophenol | 52.3 | | 4.47 | ug/L | 49.7 | | 105 | 60-140 | | |
| Acenaphthene | 8.92 | | 0.559 | ug/L | 9.94 | | 89.7 | 60-140 | | |
| Acenaphthylene | 8.66 | | 0.559 | ug/L | 9.94 | | 87.1 | 60-140 | | |
| Anthracene | 8.46 | | 0.559 | ug/L | 9.94 | | 85.1 | 60-140 | | |
| Benzo(a)anthracene | 8.36 | | 0.559 | ug/L | 9.94 | | 84.1 | 60-140 | | |
| Benzo(a)pyrene | 8.09 | | 0.559 | ug/L | 9.94 | | 81.4 | 60-140 | | |
| benzo(b&k)fluoranthene | 17.0 | | 0.559 | ug/L | 19.9 | | 85.2 | 60-140 | | |
| Benzo(g,h,i)perylene | 7.01 | | 0.559 | ug/L | 9.94 | | 70.5 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 10.1 | | 0.559 | ug/L | 9.94 | | 101 | 60-140 | | |
| bis(2-Chloroethyl) ether | 11.6 | | 0.559 | ug/L | 9.94 | | 117 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 8.46 | | 0.559 | ug/L | 9.94 | | 85.1 | 60-140 | | |
| Butyl benzyl phthalate | 8.44 | | 0.559 | ug/L | 9.94 | | 84.9 | 60-140 | | |
| Chrysene | 8.02 | | 0.559 | ug/L | 9.94 | | 80.7 | 60-140 | | |
| Dibenzo(a,h)anthracene | 7.19 | | 0.559 | ug/L | 9.94 | | 72.3 | 60-140 | | |
| Diethyl phthalate | 9.61 | | 0.559 | ug/L | 9.94 | | 96.6 | 60-140 | | |
| Dimethyl phthalate | 9.56 | | 0.559 | ug/L | 9.94 | | 96.2 | 60-140 | | |
| Di-n-butyl phthalate | 11.1 | R | 0.559 | ug/L | 9.94 | | 111 | 60-140 | | |
| Di-n-octyl phthalate | 8.11 | | 0.559 | ug/L | 9.94 | | 81.6 | 60-140 | | |
| Fluoranthene | 8.74 | | 0.559 | ug/L | 9.94 | | 87.9 | 60-140 | | |
| Fluorene | 10.1 | | 0.559 | ug/L | 9.94 | | 102 | 60-140 | | |
| Hexachlorobenzene | 9.06 | | 0.559 | ug/L | 9.94 | | 91.2 | 60-140 | | |
| Hexachlorobutadiene | 4.29 | J1 | 0.559 | ug/L | 9.94 | | 43.1 | 60-140 | | |
| Hexachlorocyclopentadiene | 5.68 | J1 | 0.559 | ug/L | 9.94 | | 57.1 | 60-140 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC0542-BS2)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| Hexachloroethane | 4.90 | J1 | 0.559 | ug/L | 9.94 | | 49.2 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 7.18 | | 0.559 | ug/L | 9.94 | | 72.2 | 60-140 | | |
| Isophorone | 8.72 | | 0.559 | ug/L | 9.94 | | 87.7 | 60-140 | | |
| Naphthalene | 8.40 | | 0.559 | ug/L | 9.94 | | 84.5 | 60-140 | | |
| Nitrobenzene | 8.84 | | 0.559 | ug/L | 9.94 | | 88.9 | 60-140 | | |
| n-Nitrosodimethylamine | 11.2 | | 2.24 | ug/L | 49.7 | | 22.5 | 2.5-65.7 | | |
| n-Nitrosodi-n-propylamine | 8.85 | | 0.559 | ug/L | 9.94 | | 89.0 | 60-140 | | |
| n-Nitrosodiphenylamine | 8.27 | | 0.559 | ug/L | 9.94 | | 83.2 | 60-140 | | |
| Pentachlorophenol | 23.1 | | 1.12 | ug/L | 19.9 | | 116 | 36.8-149 | | |
| Phenanthrene | 9.45 | | 0.559 | ug/L | 9.94 | | 95.1 | 60-140 | | |
| Phenol, Total | 17.2 | | 1.12 | ug/L | 19.9 | | 86.6 | 60-140 | | |
| Pyrene | 8.43 | | 0.559 | ug/L | 9.94 | | 84.8 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.93* | *ug/L* | *9.94* | | *99.8* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.6* | *ug/L* | *19.9* | | *113* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *21.4* | *ug/L* | *19.9* | | *108* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.3* | *ug/L* | *9.94* | | *114* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.2* | *ug/L* | *19.9* | | *101* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.48* | *ug/L* | *9.94* | | *95.4* | *51.9-147* | | |
| **LCS (BFC0542-BS3)** | | | | | Prepared: 3/3/2022 Analyzed: 3/22/2022 | | | | | |
| 2-Chloronaphthalene | 7.91 | | 0.559 | ug/L | 9.94 | | 79.6 | 60-140 | | |
| Di-n-butyl phthalate | 11.9 | | 0.559 | ug/L | 9.94 | | 120 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.92* | *ug/L* | *9.94* | | *99.8* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.6* | *ug/L* | *19.9* | | *104* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.6* | *ug/L* | *19.9* | | *98.4* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.2* | *ug/L* | *9.94* | | *113* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *29.2* | *ug/L* | *19.9* | | *147* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.49* | *ug/L* | *9.94* | | *95.5* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC0542-BSD1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 8.71 | | 0.562 | ug/L | 10.0 | | 87.1 | 22.3-156 | 5.08 | 40 |
| Benzidine | 9.37 | | 0.562 | ug/L | 10.0 | | 93.7 | 9.32-162 | 27.7 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.01* | *ug/L* | *10.0* | | *90.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *19.0* | *ug/L* | *20.0* | | *95.2* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *16.0* | *ug/L* | *20.0* | | *80.2* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.2* | *ug/L* | *10.0* | | *102* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.3* | *ug/L* | *20.0* | | *102* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.47* | *ug/L* | *10.0* | | *74.8* | *51.9-147* | | |
| **LCS Dup (BFC0542-BSD2)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.34 | | 0.552 | ug/L | 9.82 | | 74.8 | 60-140 | 2.50 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 6.63 | | 0.552 | ug/L | 9.82 | | 67.5 | 60-140 | 0.677 | 40 |
| 1,2-Diphenylhydrazine | 9.97 | | 0.552 | ug/L | 9.82 | | 102 | 60-140 | 2.03 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.35 | | 0.552 | ug/L | 9.82 | | 64.7 | 60-140 | 1.31 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 6.35 | | 0.552 | ug/L | 9.82 | | 64.6 | 60-140 | 0.535 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 10.0 | | 0.552 | ug/L | 9.82 | | 102 | 60-140 | 2.13 | 40 |
| 2,4,6-Trichlorophenol | 24.2 | | 1.10 | ug/L | 19.6 | | 123 | 60-140 | 0.314 | 40 |
| 2,4-Dichlorophenol | 23.4 | | 0.552 | ug/L | 19.6 | | 119 | 60-140 | 1.46 | 40 |
| 2,4-Dimethylphenol | 21.2 | | 1.10 | ug/L | 19.6 | | 108 | 35.9-153 | 3.88 | 40 |
| 2,4-Dinitrophenol | 51.7 | | 4.42 | ug/L | 49.1 | | 105 | 60-140 | 0.667 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 10.1 | | 0.552 | ug/L | 9.82 | | 103 | 60-140 | 0.529 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 9.79 | | 0.552 | ug/L | 9.82 | | 99.7 | 60-140 | 1.20 | 40 |
| 2-Chloronaphthalene | 10.1 | | 0.552 | ug/L | 9.82 | | 103 | 60-140 | 1.58 | 40 |
| 2-Chlorophenol | 16.4 | | 1.10 | ug/L | 19.6 | | 83.3 | 60-140 | 1.75 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 20.1 | | 1.10 | ug/L | 19.6 | | 102 | 60-140 | 1.78 | 40 |
| 2-Nitrophenol | 16.0 | | 1.10 | ug/L | 19.6 | | 81.5 | 60-140 | 6.28 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 9.55 | | 0.552 | ug/L | 9.82 | | 97.3 | 60-140 | 3.56 | 40 |
| 4-Chloro-3-methylphenol | 24.1 | | 1.10 | ug/L | 19.6 | | 123 | 60-140 | 1.67 | 40 |
| 4-Chlorophenyl phenylether | 9.43 | | 0.552 | ug/L | 9.82 | | 96.0 | 60-140 | 2.06 | 40 |
| 4-Nitrophenol | 51.5 | | 4.42 | ug/L | 49.1 | | 105 | 60-140 | 1.53 | 40 |
| Acenaphthene | 8.86 | | 0.552 | ug/L | 9.82 | | 90.2 | 60-140 | 0.625 | 40 |
| Acenaphthylene | 8.51 | | 0.552 | ug/L | 9.82 | | 86.7 | 60-140 | 1.74 | 40 |
| Anthracene | 8.47 | | 0.552 | ug/L | 9.82 | | 86.3 | 60-140 | 0.134 | 40 |
| Benzo(a)anthracene | 8.07 | | 0.552 | ug/L | 9.82 | | 82.2 | 60-140 | 3.60 | 40 |
| Benzo(a)pyrene | 8.23 | | 0.552 | ug/L | 9.82 | | 83.8 | 60-140 | 1.64 | 40 |
| benzo(b&k)fluoranthene | 17.4 | | 0.552 | ug/L | 19.6 | | 88.4 | 60-140 | 2.39 | 40 |
| Benzo(g,h,i)perylene | 6.98 | | 0.552 | ug/L | 9.82 | | 71.1 | 60-140 | 0.395 | 40 |
| bis(2-Chloroethoxy)methane | 10.0 | | 0.552 | ug/L | 9.82 | | 102 | 60-140 | 0.728 | 40 |
| bis(2-Chloroethyl) ether | 10.5 | | 0.552 | ug/L | 9.82 | | 107 | 60-140 | 10.0 | 40 |
| Bis(2-ethylhexyl )phthalate | 8.56 | | 0.552 | ug/L | 9.82 | | 87.2 | 60-140 | 1.17 | 40 |
| Butyl benzyl phthalate | 8.42 | | 0.552 | ug/L | 9.82 | | 85.8 | 60-140 | 0.242 | 40 |
| Chrysene | 8.29 | | 0.552 | ug/L | 9.82 | | 84.4 | 60-140 | 3.27 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC0542-BSD2)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| Dibenzo(a,h)anthracene | 7.07 | | 0.552 | ug/L | 9.82 | | 72.0 | 60-140 | 1.64 | 40 |
| Diethyl phthalate | 9.77 | | 0.552 | ug/L | 9.82 | | 99.5 | 60-140 | 1.65 | 40 |
| Dimethyl phthalate | 9.58 | | 0.552 | ug/L | 9.82 | | 97.6 | 60-140 | 0.192 | 40 |
| Di-n-butyl phthalate | 10.2 | R | 0.552 | ug/L | 9.82 | | 104 | 60-140 | 7.89 | 40 |
| Di-n-octyl phthalate | 8.13 | | 0.552 | ug/L | 9.82 | | 82.8 | 60-140 | 0.302 | 40 |
| Fluoranthene | 8.75 | | 0.552 | ug/L | 9.82 | | 89.1 | 60-140 | 0.0209 | 40 |
| Fluorene | 10.3 | | 0.552 | ug/L | 9.82 | | 105 | 60-140 | 1.88 | 40 |
| Hexachlorobenzene | 9.37 | | 0.552 | ug/L | 9.82 | | 95.4 | 60-140 | 3.30 | 40 |
| Hexachlorobutadiene | 4.45 | J1 | 0.552 | ug/L | 9.82 | | 45.4 | 60-140 | 3.83 | 40 |
| Hexachlorocyclopentadiene | 5.59 | J1 | 0.552 | ug/L | 9.82 | | 57.0 | 60-140 | 1.60 | 40 |
| Hexachloroethane | 5.12 | J1 | 0.552 | ug/L | 9.82 | | 52.2 | 60-140 | 4.55 | 40 |
| Indeno(1,2,3-cd) pyrene | 7.13 | | 0.552 | ug/L | 9.82 | | 72.6 | 60-140 | 0.711 | 40 |
| Isophorone | 8.54 | | 0.552 | ug/L | 9.82 | | 87.0 | 60-140 | 2.07 | 40 |
| Naphthalene | 8.42 | | 0.552 | ug/L | 9.82 | | 85.7 | 60-140 | 0.184 | 40 |
| Nitrobenzene | 8.84 | | 0.552 | ug/L | 9.82 | | 90.0 | 60-140 | 0.0984 | 40 |
| n-Nitrosodimethylamine | 7.17 | J1 | 2.21 | ug/L | 49.1 | | 14.6 | 2.5-65.7 | 43.7 | 40 |
| n-Nitrosodi-n-propylamine | 8.50 | | 0.552 | ug/L | 9.82 | | 86.6 | 60-140 | 4.10 | 40 |
| n-Nitrosodiphenylamine | 7.73 | | 0.552 | ug/L | 9.82 | | 78.8 | 60-140 | 6.76 | 40 |
| Pentachlorophenol | 23.7 | | 1.10 | ug/L | 19.6 | | 121 | 36.8-149 | 2.60 | 40 |
| Phenanthrene | 9.27 | | 0.552 | ug/L | 9.82 | | 94.4 | 60-140 | 1.91 | 40 |
| Phenol, Total | 15.6 | | 1.10 | ug/L | 19.6 | | 79.6 | 60-140 | 9.66 | 40 |
| Pyrene | 8.47 | | 0.552 | ug/L | 9.82 | | 86.2 | 60-140 | 0.417 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.71* | *ug/L* | *9.82* | | *98.9* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.9* | *ug/L* | *19.6* | | *112* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *22.3* | *ug/L* | *19.6* | | *114* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.3* | *ug/L* | *9.82* | | *115* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *17.9* | *ug/L* | *19.6* | | *91.1* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.82* | *ug/L* | *9.82* | | *100* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC0542-BSD3)** | | | | | Prepared: 3/3/2022 Analyzed: 3/22/2022 | | | | | |
| 2-Chloronaphthalene | 7.79 | | 0.552 | ug/L | 9.82 | | 79.4 | 60-140 | 1.54 | 40 |
| Di-n-butyl phthalate | 10.5 | | 0.552 | ug/L | 9.82 | | 107 | 60-140 | 12.3 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.84* | *ug/L* | *9.82* | | *100* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.2* | *ug/L* | *19.6* | | *103* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.1* | *ug/L* | *19.6* | | *97.1* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.9* | *ug/L* | *9.82* | | *111* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.2* | *ug/L* | *19.6* | | *139* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.84* | *ug/L* | *9.82* | | *90.1* | *51.9-147* | | |
| **MDL BENZ (BFC0542-MRL1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/25/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.561 | J1, U | 0.561 | ug/L | 0.499 | | | 50-150 | | |
| Benzidine | <0.561 | J1, U | 0.561 | ug/L | 0.499 | | | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.20* | *ug/L* | *9.97* | | *92.3* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.0* | *ug/L* | *19.9* | | *100* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.5* | *ug/L* | *19.9* | | *97.8* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.4* | *ug/L* | *9.97* | | *104* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *19.7* | *ug/L* | *19.9* | | *98.8* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.50* | *ug/L* | *9.97* | | *95.3* | *51.9-147* | | |
| **MDL SV (BFC0542-MRL2)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 0.327 | J | 0.562 | ug/L | 0.500 | | 65.4 | 50-150 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 0.334 | J | 0.562 | ug/L | 0.500 | | 66.7 | 50-150 | | |
| 1,2-Diphenylhydrazine | 0.673 | | 0.562 | ug/L | 0.500 | | 135 | 50-150 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 0.281 | J | 0.562 | ug/L | 0.500 | | 56.2 | 50-150 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 0.312 | J | 0.562 | ug/L | 0.500 | | 62.5 | 50-150 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 0.951 | J1 | 0.562 | ug/L | 0.500 | | 190 | 50-150 | | |
| 2,4,6-Trichlorophenol | 1.40 | | 1.12 | ug/L | 1.00 | | 140 | 50-150 | | |
| 2,4-Dichlorophenol | 1.76 | J1 | 0.562 | ug/L | 1.00 | | 176 | 50-150 | | |
| 2,4-Dimethylphenol | 1.48 | | 1.12 | ug/L | 1.00 | | 148 | 50-150 | | |
| 2,4-Dinitrophenol | 4.65 | | 4.50 | ug/L | 2.50 | | 186 | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 0.666 | | 0.562 | ug/L | 0.500 | | 133 | 50-150 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 0.560 | J | 0.562 | ug/L | 0.500 | | 112 | 50-150 | | |
| 2-Chloronaphthalene | 0.582 | | 0.562 | ug/L | 0.500 | | 116 | 50-150 | | |
| 2-Chlorophenol | 0.810 | J | 1.12 | ug/L | 1.00 | | 81.0 | 50-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 1.35 | | 1.12 | ug/L | 1.00 | | 135 | 50-150 | | |
| 2-Nitrophenol | 1.17 | | 1.12 | ug/L | 1.00 | | 117 | 50-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 0.564 | | 0.562 | ug/L | 0.500 | | 113 | 50-150 | | |
| 4-Chloro-3-methylphenol | 1.48 | | 1.12 | ug/L | 1.00 | | 148 | 50-150 | | |
| 4-Chlorophenyl phenylether | 0.426 | J | 0.562 | ug/L | 0.500 | | 85.3 | 50-150 | | |
| 4-Nitrophenol | <4.50 | U | 4.50 | ug/L | 2.50 | | | | | |
| Acenaphthene | 0.438 | J | 0.562 | ug/L | 0.500 | | 87.6 | 50-150 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFC0542-MRL2)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| Acenaphthylene | 0.532 | J | 0.562 | ug/L | 0.500 | | 106 | 50-150 | | |
| Anthracene | 0.454 | J | 0.562 | ug/L | 0.500 | | 90.9 | 50-150 | | |
| Benzo(a)anthracene | 0.320 | J | 0.562 | ug/L | 0.500 | | 64.0 | 50-150 | | |
| Benzo(a)pyrene | 0.360 | J | 0.562 | ug/L | 0.500 | | 72.0 | 50-150 | | |
| benzo(b&k)fluoranthene | 0.769 | | 0.562 | ug/L | 1.00 | | 76.9 | 50-150 | | |
| Benzo(g,h,i)perylene | 0.366 | J | 0.562 | ug/L | 0.500 | | 73.2 | 50-150 | | |
| bis(2-Chloroethoxy)methane | 0.460 | J | 0.562 | ug/L | 0.500 | | 92.0 | 50-150 | | |
| bis(2-Chloroethyl) ether | 0.639 | | 0.562 | ug/L | 0.500 | | 128 | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 0.668 | | 0.562 | ug/L | 0.500 | | 134 | 50-150 | | |
| Butyl benzyl phthalate | 0.435 | J | 0.562 | ug/L | 0.500 | | 86.9 | 50-150 | | |
| Chrysene | 0.432 | J | 0.562 | ug/L | 0.500 | | 86.4 | 50-150 | | |
| Dibenzo(a,h)anthracene | <0.562 | J1, U | 0.562 | ug/L | 0.500 | | | 50-150 | | |
| Diethyl phthalate | 0.464 | J | 0.562 | ug/L | 0.500 | | 92.9 | 50-150 | | |
| Dimethyl phthalate | 0.472 | J | 0.562 | ug/L | 0.500 | | 94.4 | 50-150 | | |
| Di-n-butyl phthalate | 3.01 | J1, R | 0.562 | ug/L | 0.500 | | 602 | 50-150 | | |
| Di-n-octyl phthalate | 0.358 | J | 0.562 | ug/L | 0.500 | | 71.6 | 50-150 | | |
| Fluoranthene | 0.427 | J | 0.562 | ug/L | 0.500 | | 85.4 | 50-150 | | |
| Fluorene | 0.495 | J | 0.562 | ug/L | 0.500 | | 98.9 | 50-150 | | |
| Hexachlorobenzene | 0.419 | J | 0.562 | ug/L | 0.500 | | 83.8 | 50-150 | | |
| Hexachlorobutadiene | <0.562 | J1, U | 0.562 | ug/L | 0.500 | | | 50-150 | | |
| Hexachlorocyclopentadiene | <0.562 | J1, U | 0.562 | ug/L | 0.500 | | | 50-150 | | |
| Hexachloroethane | <0.562 | J1, U | 0.562 | ug/L | 0.500 | | | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | 0.296 | J | 0.562 | ug/L | 0.500 | | 59.2 | 50-150 | | |
| Isophorone | 0.502 | J | 0.562 | ug/L | 0.500 | | 100 | 50-150 | | |
| Naphthalene | 0.444 | J | 0.562 | ug/L | 0.500 | | 88.8 | 50-150 | | |
| Nitrobenzene | 0.518 | J | 0.562 | ug/L | 0.500 | | 104 | 50-150 | | |
| n-Nitrosodimethylamine | <2.25 | J1, U | 2.25 | ug/L | 2.50 | | | 50-150 | | |
| n-Nitrosodi-n-propylamine | 0.325 | J | 0.562 | ug/L | 0.500 | | 64.9 | 50-150 | | |
| n-Nitrosodiphenylamine | <0.562 | J1, U | 0.562 | ug/L | 0.500 | | | 50-150 | | |
| Pentachlorophenol | 1.01 | J | 1.12 | ug/L | 1.00 | | 101 | 50-150 | | |
| Phenanthrene | 0.431 | J | 0.562 | ug/L | 0.500 | | 86.2 | 50-150 | | |
| Phenol, Total | 1.11 | J | 1.12 | ug/L | 1.00 | | 111 | 50-150 | | |
| Pyrene | 0.434 | J | 0.562 | ug/L | 0.500 | | 86.8 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.32* | *ug/L* | *10.0* | | *93.2* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.9* | *ug/L* | *20.0* | | *109* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.7* | *ug/L* | *20.0* | | *98.4* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.4* | *ug/L* | *10.0* | | *114* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *17.8* | *ug/L* | *20.0* | | *89.1* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.66* | *ug/L* | *10.0* | | *96.6* | *51.9-147* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFC0542-MRL3)** | | | | | Prepared: 3/3/2022 Analyzed: 3/22/2022 | | | | | |
| 2-Chloronaphthalene | 0.383 | J | 0.562 | ug/L | 0.500 | | 76.6 | 50-150 | | |
| Di-n-butyl phthalate | 5.04 | J1 | 0.562 | ug/L | 0.500 | | NR | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.35* | *ug/L* | *10.0* | | *93.5* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.6* | *ug/L* | *20.0* | | *103* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *16.0* | *ug/L* | *20.0* | | *79.9* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.8* | *ug/L* | *10.0* | | *108* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *26.2* | *ug/L* | *20.0* | | *131* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.37* | *ug/L* | *10.0* | | *93.7* | *51.9-147* | | |
| **Matrix Spike (BFC0542-MS1)** | | **Source: 22A3944-09** | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.64 | | 0.553 | ug/L | 9.83 | <0.553 | 77.7 | 35.3-142 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 7.13 | | 0.553 | ug/L | 9.83 | <0.553 | 72.5 | 31.4-142 | | |
| 1,2-Diphenylhydrazine | 10.7 | | 0.553 | ug/L | 9.83 | <0.553 | 108 | 48.9-156 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.83 | | 0.553 | ug/L | 9.83 | <0.553 | 69.5 | 30.5-135 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 6.79 | | 0.553 | ug/L | 9.83 | <0.553 | 69.1 | 37.2-133 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 11.0 | | 0.553 | ug/L | 9.83 | <0.553 | 112 | 41.7-151 | | |
| 2,4,6-Trichlorophenol | 26.8 | | 1.11 | ug/L | 19.7 | <1.11 | 136 | 34.7-143 | | |
| 2,4-Dichlorophenol | 25.5 | | 0.553 | ug/L | 19.7 | <0.553 | 130 | 42.7-158 | | |
| 2,4-Dimethylphenol | 23.4 | | 1.11 | ug/L | 19.7 | <1.11 | 119 | 38.4-170 | | |
| 2,4-Dinitrophenol | 51.7 | | 4.42 | ug/L | 49.1 | <4.42 | 105 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 11.0 | | 0.553 | ug/L | 9.83 | <0.553 | 112 | 50.3-144 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 10.5 | | 0.553 | ug/L | 9.83 | <0.553 | 107 | 43.7-157 | | |
| 2-Chloronaphthalene | 9.98 | | 0.553 | ug/L | 9.83 | <0.553 | 102 | 27.4-158 | | |
| 2-Chlorophenol | 17.2 | | 1.11 | ug/L | 19.7 | <1.11 | 87.7 | 49.2-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 20.0 | | 1.11 | ug/L | 19.7 | 0.653 | 98.7 | 41.9-153 | | |
| 2-Nitrophenol | 19.2 | | 1.11 | ug/L | 19.7 | <1.11 | 97.9 | 51.9-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 9.87 | | 0.553 | ug/L | 9.83 | <0.553 | 100 | 45.2-146 | | |
| 4-Chloro-3-methylphenol | 25.5 | | 1.11 | ug/L | 19.7 | <1.11 | 130 | 46.9-147 | | |
| 4-Chlorophenyl phenylether | 9.81 | | 0.553 | ug/L | 9.83 | <0.553 | 99.8 | 44.5-143 | | |
| 4-Nitrophenol | 58.4 | | 4.42 | ug/L | 49.1 | <4.42 | 119 | 2-173 | | |
| Acenaphthene | 9.36 | | 0.553 | ug/L | 9.83 | <0.553 | 95.3 | 47.3-149 | | |
| Acenaphthylene | 9.21 | | 0.553 | ug/L | 9.83 | <0.553 | 93.8 | 56.5-173 | | |
| Anthracene | 8.78 | | 0.553 | ug/L | 9.83 | <0.553 | 89.3 | 49.7-160 | | |
| Benzo(a)anthracene | 8.08 | | 0.553 | ug/L | 9.83 | <0.553 | 82.2 | 41.7-151 | | |
| Benzo(a)pyrene | 7.36 | | 0.553 | ug/L | 9.83 | <0.553 | 75.0 | 45.4-133 | | |
| benzo(b&k)fluoranthene | 15.4 | | 0.553 | ug/L | 19.7 | <0.553 | 78.4 | 55.3-137 | | |
| Benzo(g,h,i)perylene | 5.90 | | 0.553 | ug/L | 9.83 | <0.553 | 60.1 | 37.9-152 | | |
| bis(2-Chloroethoxy)methane | 10.6 | | 0.553 | ug/L | 9.83 | <0.553 | 108 | 40.1-151 | | |
| bis(2-Chloroethyl) ether | 11.9 | | 0.553 | ug/L | 9.83 | <0.553 | 121 | 45.9-163 | | |
| Bis(2-ethylhexyl )phthalate | 6.24 | | 0.553 | ug/L | 9.83 | <0.553 | 63.5 | 38.3-135 | | |
| Butyl benzyl phthalate | 8.49 | | 0.553 | ug/L | 9.83 | <0.553 | 86.4 | 41.1-148 | | |
| Chrysene | 7.67 | | 0.553 | ug/L | 9.83 | <0.553 | 78.0 | 51-147 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0542-MS1)** | **Source: 22A3944-09** | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| Dibenzo(a,h)anthracene | 5.77 | | 0.553 | ug/L | 9.83 | <0.553 | 58.7 | 27.5-156 | | |
| Diethyl phthalate | 10.5 | | 0.553 | ug/L | 9.83 | <0.553 | 107 | 53.4-146 | | |
| Dimethyl phthalate | 10.5 | | 0.553 | ug/L | 9.83 | <0.553 | 107 | 53-151 | | |
| Di-n-butyl phthalate | 8.17 | R | 0.553 | ug/L | 9.83 | <0.553 | 83.2 | 25.4-168 | | |
| Di-n-octyl phthalate | 6.50 | | 0.553 | ug/L | 9.83 | <0.553 | 66.1 | 39.2-123 | | |
| Fluoranthene | 8.96 | | 0.553 | ug/L | 9.83 | <0.553 | 91.2 | 45.3-156 | | |
| Fluorene | 10.9 | | 0.553 | ug/L | 9.83 | <0.553 | 111 | 56.3-145 | | |
| Hexachlorobenzene | 9.66 | | 0.553 | ug/L | 9.83 | <0.553 | 98.3 | 56.1-137 | | |
| Hexachlorobutadiene | 4.79 | | 0.553 | ug/L | 9.83 | <0.553 | 48.7 | 33.1-110 | | |
| Hexachlorocyclopentadiene | 6.40 | | 0.553 | ug/L | 9.83 | <0.553 | 65.1 | 2-179 | | |
| Hexachloroethane | 5.31 | | 0.553 | ug/L | 9.83 | <0.553 | 54.1 | 36.2-106 | | |
| Indeno(1,2,3-cd) pyrene | 5.88 | | 0.553 | ug/L | 9.83 | <0.553 | 59.8 | 33.4-153 | | |
| Isophorone | 9.19 | | 0.553 | ug/L | 9.83 | <0.553 | 93.5 | 43.3-154 | | |
| Naphthalene | 8.92 | | 0.553 | ug/L | 9.83 | <0.553 | 90.8 | 45.1-153 | | |
| Nitrobenzene | 9.50 | | 0.553 | ug/L | 9.83 | <0.553 | 96.7 | 54.9-156 | | |
| n-Nitrosodimethylamine | 11.1 | | 2.21 | ug/L | 49.1 | <2.21 | 22.7 | 2-56.4 | | |
| n-Nitrosodi-n-propylamine | 9.26 | | 0.553 | ug/L | 9.83 | <0.553 | 94.3 | 38.3-160 | | |
| n-Nitrosodiphenylamine | 7.92 | | 0.553 | ug/L | 9.83 | <0.553 | 80.6 | 38.1-163 | | |
| Pentachlorophenol | 25.7 | | 1.11 | ug/L | 19.7 | <1.11 | 131 | 42.2-151 | | |
| Phenanthrene | 10.0 | | 0.553 | ug/L | 9.83 | <0.553 | 102 | 45.3-165 | | |
| Phenol, Total | 17.8 | | 1.11 | ug/L | 19.7 | <1.11 | 90.6 | 39.8-164 | | |
| Pyrene | 8.58 | | 0.553 | ug/L | 9.83 | <0.553 | 87.3 | 46.3-149 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.3* | *ug/L* | *9.83* | | *105* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.8* | *ug/L* | *19.7* | | *121* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *23.8* | *ug/L* | *19.7* | | *121* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.0* | *ug/L* | *9.83* | | *122* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.1* | *ug/L* | *19.7* | | *117* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.11* | *ug/L* | *9.83* | | *82.6* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0542-MS2)** | | | **Source: 22A3944-09RE1** | | Prepared: 3/3/2022 Analyzed: 3/22/2022 | | | | | |
| 2-Chloronaphthalene | 8.34 | | 0.553 | ug/L | 9.83 | <0.553 | 84.9 | 27.4-158 | | |
| Di-n-butyl phthalate | 9.65 | | 0.553 | ug/L | 9.83 | 1.51 | 82.9 | 25.4-168 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.3* | *ug/L* | *9.83* | | *105* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.4* | *ug/L* | *19.7* | | *109* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.8* | *ug/L* | *19.7* | | *95.8* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.0* | *ug/L* | *9.83* | | *122* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *29.3* | *ug/L* | *19.7* | | *149* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.20* | *ug/L* | *9.83* | | *83.5* | *51.9-147* | | |
| **Matrix Spike Dup (BFC0542-MSD1)** | | | **Source: 22A3944-09** | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.62 | | 0.554 | ug/L | 9.85 | <0.554 | 77.3 | 35.3-142 | 0.222 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 6.91 | | 0.554 | ug/L | 9.85 | <0.554 | 70.1 | 31.4-142 | 3.06 | 40 |
| 1,2-Diphenylhydrazine | 9.13 | | 0.554 | ug/L | 9.85 | <0.554 | 92.7 | 48.9-156 | 15.3 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.48 | | 0.554 | ug/L | 9.85 | <0.554 | 65.8 | 30.5-135 | 5.22 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 6.67 | | 0.554 | ug/L | 9.85 | <0.554 | 67.7 | 37.2-133 | 1.75 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 10.4 | | 0.554 | ug/L | 9.85 | <0.554 | 105 | 41.7-151 | 5.50 | 40 |
| 2,4,6-Trichlorophenol | 25.3 | | 1.11 | ug/L | 19.7 | <1.11 | 128 | 34.7-143 | 5.72 | 40 |
| 2,4-Dichlorophenol | 24.7 | | 0.554 | ug/L | 19.7 | <0.554 | 125 | 42.7-158 | 3.39 | 40 |
| 2,4-Dimethylphenol | 23.0 | | 1.11 | ug/L | 19.7 | <1.11 | 117 | 38.4-170 | 1.48 | 40 |
| 2,4-Dinitrophenol | 48.3 | | 4.43 | ug/L | 49.3 | <4.43 | 98.0 | 60-140 | 6.76 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 10.0 | | 0.554 | ug/L | 9.85 | <0.554 | 102 | 50.3-144 | 8.87 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 9.84 | | 0.554 | ug/L | 9.85 | <0.554 | 99.8 | 43.7-157 | 6.54 | 40 |
| 2-Chloronaphthalene | 10.8 | | 0.554 | ug/L | 9.85 | <0.554 | 109 | 27.4-158 | 7.82 | 40 |
| 2-Chlorophenol | 17.4 | | 1.11 | ug/L | 19.7 | <1.11 | 88.4 | 49.2-150 | 1.05 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 18.5 | | 1.11 | ug/L | 19.7 | 0.653 | 90.8 | 41.9-153 | 7.82 | 40 |
| 2-Nitrophenol | 17.3 | | 1.11 | ug/L | 19.7 | <1.11 | 87.9 | 51.9-150 | 10.5 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 9.08 | | 0.554 | ug/L | 9.85 | <0.554 | 92.2 | 45.2-146 | 8.35 | 40 |
| 4-Chloro-3-methylphenol | 24.6 | | 1.11 | ug/L | 19.7 | <1.11 | 125 | 46.9-147 | 3.57 | 40 |
| 4-Chlorophenyl phenylether | 9.25 | | 0.554 | ug/L | 9.85 | <0.554 | 93.8 | 44.5-143 | 5.88 | 40 |
| 4-Nitrophenol | 55.1 | | 4.43 | ug/L | 49.3 | <4.43 | 112 | 2-173 | 5.70 | 40 |
| Acenaphthene | 9.12 | | 0.554 | ug/L | 9.85 | <0.554 | 92.5 | 47.3-149 | 2.65 | 40 |
| Acenaphthylene | 8.87 | | 0.554 | ug/L | 9.85 | <0.554 | 90.0 | 56.5-173 | 3.78 | 40 |
| Anthracene | 8.73 | | 0.554 | ug/L | 9.85 | <0.554 | 88.6 | 49.7-160 | 0.483 | 40 |
| Benzo(a)anthracene | 7.44 | | 0.554 | ug/L | 9.85 | <0.554 | 75.5 | 41.7-151 | 8.15 | 40 |
| Benzo(a)pyrene | 7.00 | | 0.554 | ug/L | 9.85 | <0.554 | 71.0 | 45.4-133 | 5.13 | 40 |
| benzo(b&k)fluoranthene | 14.1 | | 0.554 | ug/L | 19.7 | <0.554 | 71.8 | 55.3-137 | 8.52 | 40 |
| Benzo(g,h,i)perylene | 5.41 | | 0.554 | ug/L | 9.85 | <0.554 | 54.9 | 37.9-152 | 8.66 | 40 |
| bis(2-Chloroethoxy)methane | 11.0 | | 0.554 | ug/L | 9.85 | <0.554 | 111 | 40.1-151 | 2.97 | 40 |
| bis(2-Chloroethyl) ether | 11.4 | | 0.554 | ug/L | 9.85 | <0.554 | 115 | 45.9-163 | 4.69 | 40 |
| Bis(2-ethylhexyl )phthalate | 6.01 | | 0.554 | ug/L | 9.85 | <0.554 | 61.0 | 38.3-135 | 3.71 | 40 |
| Butyl benzyl phthalate | 8.28 | | 0.554 | ug/L | 9.85 | <0.554 | 84.0 | 41.1-148 | 2.47 | 40 |
| Chrysene | 7.54 | | 0.554 | ug/L | 9.85 | <0.554 | 76.5 | 51-147 | 1.62 | 40 |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC0542-MSD1)** | **Source: 22A3944-09** | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| Dibenzo(a,h)anthracene | 5.23 | | 0.554 | ug/L | 9.85 | <0.554 | 53.1 | 27.5-156 | 9.81 | 40 |
| Diethyl phthalate | 9.65 | | 0.554 | ug/L | 9.85 | <0.554 | 98.0 | 53.4-146 | 8.67 | 40 |
| Dimethyl phthalate | 9.81 | | 0.554 | ug/L | 9.85 | <0.554 | 99.6 | 53-151 | 6.71 | 40 |
| Di-n-butyl phthalate | 7.67 | R | 0.554 | ug/L | 9.85 | <0.554 | 77.8 | 25.4-168 | 6.34 | 40 |
| Di-n-octyl phthalate | 6.16 | | 0.554 | ug/L | 9.85 | <0.554 | 62.5 | 39.2-123 | 5.37 | 40 |
| Fluoranthene | 8.65 | | 0.554 | ug/L | 9.85 | <0.554 | 87.7 | 45.3-156 | 3.56 | 40 |
| Fluorene | 10.4 | | 0.554 | ug/L | 9.85 | <0.554 | 105 | 56.3-145 | 5.38 | 40 |
| Hexachlorobenzene | 8.96 | | 0.554 | ug/L | 9.85 | <0.554 | 90.9 | 56.1-137 | 7.56 | 40 |
| Hexachlorobutadiene | 4.91 | | 0.554 | ug/L | 9.85 | <0.554 | 49.9 | 33.1-110 | 2.62 | 40 |
| Hexachlorocyclopentadiene | 5.95 | | 0.554 | ug/L | 9.85 | <0.554 | 60.4 | 2-179 | 7.18 | 40 |
| Hexachloroethane | 5.21 | | 0.554 | ug/L | 9.85 | <0.554 | 52.9 | 36.2-106 | 1.95 | 40 |
| Indeno(1,2,3-cd) pyrene | 5.26 | | 0.554 | ug/L | 9.85 | <0.554 | 53.3 | 33.4-153 | 11.2 | 40 |
| Isophorone | 9.35 | | 0.554 | ug/L | 9.85 | <0.554 | 94.9 | 43.3-154 | 1.80 | 40 |
| Naphthalene | 8.81 | | 0.554 | ug/L | 9.85 | <0.554 | 89.4 | 45.1-153 | 1.24 | 40 |
| Nitrobenzene | 9.44 | | 0.554 | ug/L | 9.85 | <0.554 | 95.8 | 54.9-156 | 0.634 | 40 |
| n-Nitrosodimethylamine | 8.67 | | 2.22 | ug/L | 49.3 | <2.22 | 17.6 | 2-56.4 | 24.9 | 40 |
| n-Nitrosodi-n-propylamine | 9.24 | | 0.554 | ug/L | 9.85 | <0.554 | 93.8 | 38.3-160 | 0.255 | 40 |
| n-Nitrosodiphenylamine | 6.80 | | 0.554 | ug/L | 9.85 | <0.554 | 69.0 | 38.1-163 | 15.2 | 40 |
| Pentachlorophenol | 23.7 | | 1.11 | ug/L | 19.7 | <1.11 | 120 | 42.2-151 | 7.84 | 40 |
| Phenanthrene | 9.49 | | 0.554 | ug/L | 9.85 | <0.554 | 96.3 | 45.3-165 | 5.41 | 40 |
| Phenol, Total | 17.3 | | 1.11 | ug/L | 19.7 | <1.11 | 87.6 | 39.8-164 | 3.05 | 40 |
| Pyrene | 8.46 | | 0.554 | ug/L | 9.85 | <0.554 | 85.9 | 46.3-149 | 1.34 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.92* | *ug/L* | *9.85* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.5* | *ug/L* | *19.7* | | *119* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *22.0* | *ug/L* | *19.7* | | *112* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.8* | *ug/L* | *9.85* | | *120* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.7* | *ug/L* | *19.7* | | *94.7* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.22* | *ug/L* | *9.85* | | *83.5* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0542 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC0542-MSD2)** | **Source: 22A3944-09RE1** | | | | Prepared: 3/3/2022 Analyzed: 3/22/2022 | | | | | |
| 2-Chloronaphthalene | 8.08 | | 0.554 | ug/L | 9.85 | <0.554 | 82.0 | 27.4-158 | 3.21 | 40 |
| Di-n-butyl phthalate | 9.44 | | 0.554 | ug/L | 9.85 | 1.51 | 80.5 | 25.4-168 | 2.24 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.0* | *ug/L* | *9.85* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.9* | *ug/L* | *19.7* | | *106* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.6* | *ug/L* | *19.7* | | *105* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.5* | *ug/L* | *9.85* | | *116* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *28.1* | *ug/L* | *19.7* | | *143* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.92* | *ug/L* | *9.85* | | *80.4* | *51.9-147* | | |
| ***Batch: BFC0958 - SW-3570*** | | | | | | | | | | |
| **Blank (BFC0958-BLK1)** | | | | | Prepared: 3/7/2022 Analyzed: 4/1/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Benzidine | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.6* | *ug/kg wet* | *19.2* | | *70.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.2* | *ug/kg wet* | *38.5* | | *86.2* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *36.1* | *ug/kg wet* | *38.5* | | *93.9* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *19.7* | *ug/kg wet* | *19.2* | | *102* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *33.8* | *ug/kg wet* | *38.5* | | *87.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.6* | *ug/kg wet* | *19.2* | | *76.1* | *60-140* | | |
| **Blank (BFC0958-BLK2)** | | | | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| 1,2-Diphenylhydrazine | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| 2,4,6-Trichlorophenol | <4.81 | U | 4.81 | ug/kg wet | | | | | | |
| 2,4-Dichlorophenol | <4.81 | U | 4.81 | ug/kg wet | | | | | | |
| 2,4-Dimethylphenol | <4.81 | U | 4.81 | ug/kg wet | | | | | | |
| 2,4-Dinitrophenol | <4.81 | U | 4.81 | ug/kg wet | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| 2-Chloronaphthalene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| 2-Chlorophenol | <4.81 | U | 4.81 | ug/kg wet | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <19.2 | U | 19.2 | ug/kg wet | | | | | | |
| 2-Nitrophenol | <4.81 | U | 4.81 | ug/kg wet | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| 4-Chloro-3-methylphenol | <4.81 | U | 4.81 | ug/kg wet | | | | | | |
| 4-Chlorophenyl phenylether | <2.41 | U | 2.41 | ug/kg wet | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0958 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BFC0958-BLK2)** | | | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | | |
| 4-Nitrophenol | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Acenaphthene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Acenaphthylene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Anthracene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Benzo(a)anthracene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Benzo(a)pyrene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| benzo(b&k)fluoranthene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Benzo(g,h,i)perylene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| bis(2-Chloroethoxy)methane | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| bis(2-Chloroethyl) ether | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Bis(2-ethylhexyl )phthalate | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Butyl benzyl phthalate | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Chrysene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Dibenzo(a,h)anthracene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Diethyl phthalate | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Dimethyl phthalate | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Di-n-butyl phthalate | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Di-n-octyl phthalate | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Fluoranthene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Fluorene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Hexachlorobenzene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Hexachlorobutadiene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Hexachlorocyclopentadiene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Hexachloroethane | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Indeno(1,2,3-cd) pyrene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Isophorone | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Naphthalene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Nitrobenzene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| n-Nitrosodimethylamine | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| n-Nitrosodi-n-propylamine | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| n-Nitrosodiphenylamine | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Pentachlorophenol | <4.81 | U | 4.81 | ug/kg wet | | | | | | |
| Phenanthrene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| Phenol, Total | <4.81 | U | 4.81 | ug/kg wet | | | | | | |
| Pyrene | <2.41 | U | 2.41 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *17.3* | *ug/kg wet* | *19.2* | | *89.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *36.1* | *ug/kg wet* | *38.5* | | *93.7* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *32.3* | *ug/kg wet* | *38.5* | | *83.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *19.9* | *ug/kg wet* | *19.2* | | *103* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *43.0* | *ug/kg wet* | *38.5* | | *112* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *18.8* | *ug/kg wet* | *19.2* | | *97.6* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0958 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFC0958-BS1)** | | | | | Prepared: 3/7/2022 Analyzed: 4/2/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 12.6 | | 2.46 | ug/kg wet | 19.6 | | 64.2 | 60-140 | | |
| Benzidine | <2.46 | J1, U | 2.46 | ug/kg wet | 19.6 | | | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.3* | *ug/kg wet* | *19.6* | | *62.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.3* | *ug/kg wet* | *39.3* | | *84.9* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *35.7* | *ug/kg wet* | *39.3* | | *90.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *19.5* | *ug/kg wet* | *19.6* | | *99.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *33.3* | *ug/kg wet* | *39.3* | | *84.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.9* | *ug/kg wet* | *19.6* | | *75.9* | *60-140* | | |
| **LCS (BFC0958-BS2)** | | | | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 9.59 | J1 | 2.30 | ug/kg wet | 18.4 | | 52.1 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.30 | J1 | 2.30 | ug/kg wet | 18.4 | | 45.1 | 60-140 | | |
| 1,2-Diphenylhydrazine | 13.1 | | 2.30 | ug/kg wet | 18.4 | | 71.1 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 8.77 | J1 | 2.30 | ug/kg wet | 18.4 | | 47.7 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 8.30 | J1 | 2.30 | ug/kg wet | 18.4 | | 45.1 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 11.7 | | 2.30 | ug/kg wet | 18.4 | | 63.5 | 60-140 | | |
| 2,4,6-Trichlorophenol | 69.4 | | 4.60 | ug/kg wet | 73.6 | | 94.3 | 60-140 | | |
| 2,4-Dichlorophenol | 32.9 | | 4.60 | ug/kg wet | 36.8 | | 89.3 | 60-140 | | |
| 2,4-Dimethylphenol | 33.9 | | 4.60 | ug/kg wet | 36.8 | | 92.1 | 60-140 | | |
| 2,4-Dinitrophenol | 12.4 | | 4.60 | ug/kg wet | 92.0 | | 13.4 | 10-50.4 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 14.6 | | 2.30 | ug/kg wet | 18.4 | | 79.6 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 13.5 | | 2.30 | ug/kg wet | 18.4 | | 73.3 | 60-140 | | |
| 2-Chloronaphthalene | 13.0 | | 2.30 | ug/kg wet | 18.4 | | 70.6 | 60-140 | | |
| 2-Chlorophenol | 28.2 | | 4.60 | ug/kg wet | 36.8 | | 76.6 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 13.8 | J1, J | 18.4 | ug/kg wet | 36.8 | | 37.6 | 60-140 | | |
| 2-Nitrophenol | 32.7 | | 4.60 | ug/kg wet | 36.8 | | 88.9 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 12.9 | | 2.30 | ug/kg wet | 18.4 | | 70.2 | 60-140 | | |
| 4-Chloro-3-methylphenol | 37.5 | | 4.60 | ug/kg wet | 36.8 | | 102 | 60-140 | | |
| 4-Chlorophenyl phenylether | 13.4 | | 2.30 | ug/kg wet | 18.4 | | 72.7 | 60-140 | | |
| 4-Nitrophenol | 100 | | 2.30 | ug/kg wet | 92.0 | | 109 | 60-140 | | |
| Acenaphthene | 12.8 | | 2.30 | ug/kg wet | 18.4 | | 69.3 | 60-140 | | |
| Acenaphthylene | 11.7 | | 2.30 | ug/kg wet | 18.4 | | 63.7 | 60-140 | | |
| Anthracene | 12.4 | | 2.30 | ug/kg wet | 18.4 | | 67.3 | 60-140 | | |
| Benzo(a)anthracene | 12.0 | | 2.30 | ug/kg wet | 18.4 | | 65.5 | 60-140 | | |
| Benzo(a)pyrene | 12.4 | | 2.30 | ug/kg wet | 18.4 | | 67.6 | 60-140 | | |
| benzo(b&k)fluoranthene | 25.4 | | 2.30 | ug/kg wet | 36.8 | | 68.9 | 60-140 | | |
| Benzo(g,h,i)perylene | 13.7 | | 2.30 | ug/kg wet | 18.4 | | 74.6 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 12.6 | | 2.30 | ug/kg wet | 18.4 | | 68.7 | 60-140 | | |
| bis(2-Chloroethyl) ether | 12.1 | | 2.30 | ug/kg wet | 18.4 | | 65.7 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 15.5 | | 2.30 | ug/kg wet | 18.4 | | 84.1 | 60-140 | | |
| Butyl benzyl phthalate | 12.3 | | 2.30 | ug/kg wet | 18.4 | | 66.8 | 60-140 | | |
| Chrysene | 15.3 | | 2.30 | ug/kg wet | 18.4 | | 83.0 | 60-140 | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0958 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFC0958-BS2)** | | | | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | |
| Dibenzo(a,h)anthracene | 12.9 | | 2.30 | ug/kg wet | 18.4 | | 70.2 | 60-140 | | |
| Diethyl phthalate | 13.6 | | 2.30 | ug/kg wet | 18.4 | | 74.0 | 60-140 | | |
| Dimethyl phthalate | 13.0 | | 2.30 | ug/kg wet | 18.4 | | 70.8 | 60-140 | | |
| Di-n-butyl phthalate | 13.4 | | 2.30 | ug/kg wet | 18.4 | | 72.9 | 60-140 | | |
| Di-n-octyl phthalate | 14.0 | | 2.30 | ug/kg wet | 18.4 | | 75.9 | 60-140 | | |
| Fluoranthene | 12.8 | | 2.30 | ug/kg wet | 18.4 | | 69.5 | 60-140 | | |
| Fluorene | 13.9 | | 2.30 | ug/kg wet | 18.4 | | 75.6 | 60-140 | | |
| Hexachlorobenzene | 13.5 | | 2.30 | ug/kg wet | 18.4 | | 73.3 | 60-140 | | |
| Hexachlorobutadiene | 7.25 | J1 | 2.30 | ug/kg wet | 18.4 | | 39.4 | 60-140 | | |
| Hexachlorocyclopentadiene | 7.22 | J1 | 2.30 | ug/kg wet | 18.4 | | 39.3 | 60-140 | | |
| Hexachloroethane | 7.82 | J1 | 2.30 | ug/kg wet | 18.4 | | 42.5 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 13.1 | | 2.30 | ug/kg wet | 18.4 | | 71.2 | 60-140 | | |
| Isophorone | 12.5 | | 2.30 | ug/kg wet | 18.4 | | 67.8 | 60-140 | | |
| Naphthalene | 12.3 | | 2.30 | ug/kg wet | 18.4 | | 66.6 | 60-140 | | |
| Nitrobenzene | 13.8 | | 2.30 | ug/kg wet | 18.4 | | 75.2 | 60-140 | | |
| n-Nitrosodimethylamine | 59.7 | | 2.30 | ug/kg wet | 92.0 | | 64.9 | 60-140 | | |
| n-Nitrosodi-n-propylamine | 14.7 | | 2.30 | ug/kg wet | 18.4 | | 79.6 | 60-140 | | |
| n-Nitrosodiphenylamine | 11.3 | | 2.30 | ug/kg wet | 18.4 | | 61.4 | 60-140 | | |
| Pentachlorophenol | 30.4 | | 4.60 | ug/kg wet | 36.8 | | 82.5 | 60-140 | | |
| Phenanthrene | 12.3 | | 2.30 | ug/kg wet | 18.4 | | 67.0 | 60-140 | | |
| Phenol, Total | 34.2 | | 4.60 | ug/kg wet | 36.8 | | 93.0 | 60-140 | | |
| Pyrene | 12.3 | | 2.30 | ug/kg wet | 18.4 | | 67.0 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.2* | *ug/kg wet* | *18.4* | | *71.7* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.0* | *ug/kg wet* | *36.8* | | *89.7* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *30.1* | *ug/kg wet* | *36.8* | | *81.9* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.4* | *ug/kg wet* | *18.4* | | *100* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *38.7* | *ug/kg wet* | *36.8* | | *105* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *13.7* | *ug/kg wet* | *18.4* | | *74.6* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0958 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC0958-BSD1)** | | | | | Prepared: 3/7/2022 Analyzed: 4/2/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 12.6 | | 2.35 | ug/kg wet | 18.8 | | 67.0 | 60-140 | 0.321 | 40 |
| Benzidine | <2.35 | J1, U | 2.35 | ug/kg wet | 18.8 | | | 60-140 | 200 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.5* | *ug/kg wet* | *18.8* | | *66.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *29.0* | *ug/kg wet* | *37.6* | | *77.3* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *33.2* | *ug/kg wet* | *37.6* | | *88.4* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.4* | *ug/kg wet* | *18.8* | | *98.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *31.3* | *ug/kg wet* | *37.6* | | *83.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.2* | *ug/kg wet* | *18.8* | | *75.6* | *60-140* | | |
| **LCS Dup (BFC0958-BSD2)** | | | | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 9.76 | J1 | 2.41 | ug/kg wet | 19.3 | | 50.7 | 60-140 | 1.77 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.78 | J1 | 2.41 | ug/kg wet | 19.3 | | 45.5 | 60-140 | 5.63 | 40 |
| 1,2-Diphenylhydrazine | 15.2 | | 2.41 | ug/kg wet | 19.3 | | 79.1 | 60-140 | 15.2 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 9.11 | J1 | 2.41 | ug/kg wet | 19.3 | | 47.3 | 60-140 | 3.84 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 9.20 | J1 | 2.41 | ug/kg wet | 19.3 | | 47.8 | 60-140 | 10.4 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 12.6 | | 2.41 | ug/kg wet | 19.3 | | 65.4 | 60-140 | 7.64 | 40 |
| 2,4,6-Trichlorophenol | 76.3 | | 4.82 | ug/kg wet | 77.1 | | 99.0 | 60-140 | 9.39 | 40 |
| 2,4-Dichlorophenol | 38.1 | | 4.82 | ug/kg wet | 38.5 | | 98.8 | 60-140 | 14.7 | 40 |
| 2,4-Dimethylphenol | 33.6 | | 4.82 | ug/kg wet | 38.5 | | 87.3 | 60-140 | 0.749 | 40 |
| 2,4-Dinitrophenol | 12.7 | | 4.82 | ug/kg wet | 96.3 | | 13.2 | 10-50.4 | 2.48 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 16.7 | | 2.41 | ug/kg wet | 19.3 | | 86.5 | 60-140 | 13.0 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 14.4 | | 2.41 | ug/kg wet | 19.3 | | 74.8 | 60-140 | 6.56 | 40 |
| 2-Chloronaphthalene | 14.2 | | 2.41 | ug/kg wet | 19.3 | | 73.5 | 60-140 | 8.63 | 40 |
| 2-Chlorophenol | 45.9 | J1 | 4.82 | ug/kg wet | 38.5 | | 119 | 60-140 | 47.9 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 14.5 | J1, J | 19.3 | ug/kg wet | 38.5 | | 37.6 | 60-140 | 4.67 | 40 |
| 2-Nitrophenol | 36.2 | | 4.82 | ug/kg wet | 38.5 | | 94.0 | 60-140 | 10.2 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 16.1 | | 2.41 | ug/kg wet | 19.3 | | 83.5 | 60-140 | 21.8 | 40 |
| 4-Chloro-3-methylphenol | 42.3 | | 4.82 | ug/kg wet | 38.5 | | 110 | 60-140 | 12.0 | 40 |
| 4-Chlorophenyl phenylether | 16.5 | | 2.41 | ug/kg wet | 19.3 | | 85.8 | 60-140 | 21.1 | 40 |
| 4-Nitrophenol | 99.1 | | 2.41 | ug/kg wet | 96.3 | | 103 | 60-140 | 1.09 | 40 |
| Acenaphthene | 14.8 | | 2.41 | ug/kg wet | 19.3 | | 76.7 | 60-140 | 14.7 | 40 |
| Acenaphthylene | 12.6 | | 2.41 | ug/kg wet | 19.3 | | 65.6 | 60-140 | 7.65 | 40 |
| Anthracene | 14.4 | | 2.41 | ug/kg wet | 19.3 | | 74.7 | 60-140 | 15.1 | 40 |
| Benzo(a)anthracene | 12.8 | | 2.41 | ug/kg wet | 19.3 | | 66.6 | 60-140 | 6.31 | 40 |
| Benzo(a)pyrene | 13.3 | | 2.41 | ug/kg wet | 19.3 | | 68.9 | 60-140 | 6.53 | 40 |
| benzo(b&k)fluoranthene | 28.1 | | 2.41 | ug/kg wet | 38.5 | | 73.0 | 60-140 | 10.4 | 40 |
| Benzo(g,h,i)perylene | 14.7 | | 2.41 | ug/kg wet | 19.3 | | 76.2 | 60-140 | 6.82 | 40 |
| bis(2-Chloroethoxy)methane | 15.5 | | 2.41 | ug/kg wet | 19.3 | | 80.5 | 60-140 | 20.3 | 40 |
| bis(2-Chloroethyl) ether | 14.0 | | 2.41 | ug/kg wet | 19.3 | | 72.6 | 60-140 | 14.6 | 40 |
| Bis(2-ethylhexyl )phthalate | 16.9 | | 2.41 | ug/kg wet | 19.3 | | 87.8 | 60-140 | 8.91 | 40 |
| Butyl benzyl phthalate | 14.8 | | 2.41 | ug/kg wet | 19.3 | | 76.8 | 60-140 | 18.4 | 40 |
| Chrysene | 17.2 | | 2.41 | ug/kg wet | 19.3 | | 89.1 | 60-140 | 11.7 | 40 |

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|---|---|---|
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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0958 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC0958-BSD2)** | | | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | | |
| Dibenzo(a,h)anthracene | 14.6 | | 2.41 | ug/kg wet | 19.3 | | 75.6 | 60-140 | 12.0 | 40 |
| Diethyl phthalate | 15.4 | | 2.41 | ug/kg wet | 19.3 | | 79.9 | 60-140 | 12.2 | 40 |
| Dimethyl phthalate | 14.4 | | 2.41 | ug/kg wet | 19.3 | | 74.5 | 60-140 | 9.70 | 40 |
| Di-n-butyl phthalate | 13.9 | | 2.41 | ug/kg wet | 19.3 | | 72.3 | 60-140 | 3.80 | 40 |
| Di-n-octyl phthalate | 15.7 | | 2.41 | ug/kg wet | 19.3 | | 81.3 | 60-140 | 11.5 | 40 |
| Fluoranthene | 14.4 | | 2.41 | ug/kg wet | 19.3 | | 74.8 | 60-140 | 11.9 | 40 |
| Fluorene | 14.8 | | 2.41 | ug/kg wet | 19.3 | | 76.9 | 60-140 | 6.32 | 40 |
| Hexachlorobenzene | 14.3 | | 2.41 | ug/kg wet | 19.3 | | 74.2 | 60-140 | 5.75 | 40 |
| Hexachlorobutadiene | 8.63 | J1 | 2.41 | ug/kg wet | 19.3 | | 44.8 | 60-140 | 17.5 | 40 |
| Hexachlorocyclopentadiene | 7.08 | J1 | 2.41 | ug/kg wet | 19.3 | | 36.8 | 60-140 | 2.00 | 40 |
| Hexachloroethane | 9.65 | J1 | 2.41 | ug/kg wet | 19.3 | | 50.1 | 60-140 | 21.0 | 40 |
| Indeno(1,2,3-cd) pyrene | 14.0 | | 2.41 | ug/kg wet | 19.3 | | 72.5 | 60-140 | 6.51 | 40 |
| Isophorone | 14.0 | | 2.41 | ug/kg wet | 19.3 | | 72.9 | 60-140 | 11.9 | 40 |
| Naphthalene | 11.5 | J1 | 2.41 | ug/kg wet | 19.3 | | 59.6 | 60-140 | 6.48 | 40 |
| Nitrobenzene | 14.9 | | 2.41 | ug/kg wet | 19.3 | | 77.5 | 60-140 | 7.54 | 40 |
| n-Nitrosodimethylamine | 60.1 | | 2.41 | ug/kg wet | 96.3 | | 62.3 | 60-140 | 0.587 | 40 |
| n-Nitrosodi-n-propylamine | 16.1 | | 2.41 | ug/kg wet | 19.3 | | 83.4 | 60-140 | 9.18 | 40 |
| n-Nitrosodiphenylamine | 12.4 | | 2.41 | ug/kg wet | 19.3 | | 64.3 | 60-140 | 9.13 | 40 |
| Pentachlorophenol | 33.5 | | 4.82 | ug/kg wet | 38.5 | | 87.0 | 60-140 | 9.89 | 40 |
| Phenanthrene | 13.1 | | 2.41 | ug/kg wet | 19.3 | | 67.8 | 60-140 | 5.92 | 40 |
| Phenol, Total | 38.0 | | 4.82 | ug/kg wet | 38.5 | | 98.6 | 60-140 | 10.5 | 40 |
| Pyrene | 13.8 | | 2.41 | ug/kg wet | 19.3 | | 71.9 | 60-140 | 11.5 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.9* | *ug/kg wet* | *19.3* | | *77.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.0* | *ug/kg wet* | *38.5* | | *85.7* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *32.6* | *ug/kg wet* | *38.5* | | *84.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.4* | *ug/kg wet* | *19.3* | | *90.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *42.1* | *ug/kg wet* | *38.5* | | *109* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.2* | *ug/kg wet* | *19.3* | | *78.8* | *60-140* | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0958 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL BENZ (BFC0958-MRL1)** | | | | | Prepared: 3/7/2022 Analyzed: 4/1/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <2.38 | U | 2.38 | ug/kg wet | 1.90 | | | | | |
| Benzidine | <2.38 | U | 2.38 | ug/kg wet | 1.90 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | *S* | | *10.3* | *ug/kg wet* | *19.0* | | *54.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *25.7* | *ug/kg wet* | *38.1* | | *67.4* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *33.6* | *ug/kg wet* | *38.1* | | *88.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.2* | *ug/kg wet* | *19.0* | | *95.7* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *30.4* | *ug/kg wet* | *38.1* | | *79.7* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.7* | *ug/kg wet* | *19.0* | | *77.0* | *60-140* | | |
| **MDL SV (BFC0958-MRL2)** | | | | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 1.44 | J | 2.31 | ug/kg wet | 1.85 | | 78.3 | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| 1,2-Diphenylhydrazine | 1.62 | J | 2.31 | ug/kg wet | 1.85 | | 87.8 | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 1.16 | J | 2.31 | ug/kg wet | 1.85 | | 62.9 | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 1.24 | J | 2.31 | ug/kg wet | 1.85 | | 67.4 | | | |
| 2,4,6-Trichlorophenol | 7.38 | | 4.61 | ug/kg wet | 7.38 | | 100 | | | |
| 2,4-Dichlorophenol | 3.02 | J | 4.61 | ug/kg wet | 3.69 | | 81.8 | | | |
| 2,4-Dimethylphenol | 2.96 | J | 4.61 | ug/kg wet | 3.69 | | 80.2 | | | |
| 2,4-Dinitrophenol | 5.39 | | 4.61 | ug/kg wet | 9.23 | | 58.4 | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| 2-Chloronaphthalene | 1.16 | J | 2.31 | ug/kg wet | 1.85 | | 63.1 | | | |
| 2-Chlorophenol | 4.30 | J | 4.61 | ug/kg wet | 3.69 | | 116 | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <18.5 | U | 18.5 | ug/kg wet | 3.69 | | | | | |
| 2-Nitrophenol | 2.56 | J | 4.61 | ug/kg wet | 3.69 | | 69.3 | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 1.32 | J | 2.31 | ug/kg wet | 1.85 | | 71.5 | | | |
| 4-Chloro-3-methylphenol | 3.03 | J | 4.61 | ug/kg wet | 3.69 | | 82.2 | | | |
| 4-Chlorophenyl phenylether | 1.21 | J | 2.31 | ug/kg wet | 1.85 | | 65.4 | | | |
| 4-Nitrophenol | 9.20 | | 2.31 | ug/kg wet | 9.23 | | 99.7 | | | |
| Acenaphthene | 1.46 | J | 2.31 | ug/kg wet | 1.85 | | 79.4 | | | |
| Acenaphthylene | 1.33 | J | 2.31 | ug/kg wet | 1.85 | | 72.0 | | | |
| Anthracene | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| Benzo(a)anthracene | 1.18 | J | 2.31 | ug/kg wet | 1.85 | | 64.1 | | | |
| Benzo(a)pyrene | 1.22 | J | 2.31 | ug/kg wet | 1.85 | | 65.9 | | | |
| benzo(b&k)fluoranthene | 2.56 | | 2.31 | ug/kg wet | 3.69 | | 69.4 | | | |
| Benzo(g,h,i)perylene | 1.43 | J | 2.31 | ug/kg wet | 1.85 | | 77.2 | | | |
| bis(2-Chloroethoxy)methane | 1.47 | J | 2.31 | ug/kg wet | 1.85 | | 79.6 | | | |
| bis(2-Chloroethyl) ether | 1.51 | J | 2.31 | ug/kg wet | 1.85 | | 81.7 | | | |
| Bis(2-ethylhexyl )phthalate | 2.46 | | 2.31 | ug/kg wet | 1.85 | | 133 | | | |
| Butyl benzyl phthalate | 1.16 | J | 2.31 | ug/kg wet | 1.85 | | 62.9 | | | |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0958 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFC0958-MRL2)** | | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | | | |
| Chrysene | 1.46 | J | 2.31 | ug/kg wet | 1.85 | | 79.0 | | | |
| Dibenzo(a,h)anthracene | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| Diethyl phthalate | 1.52 | J | 2.31 | ug/kg wet | 1.85 | | 82.6 | | | |
| Dimethyl phthalate | 1.40 | J | 2.31 | ug/kg wet | 1.85 | | 76.0 | | | |
| Di-n-butyl phthalate | 1.92 | J | 2.31 | ug/kg wet | 1.85 | | 104 | | | |
| Di-n-octyl phthalate | 1.28 | J | 2.31 | ug/kg wet | 1.85 | | 69.5 | | | |
| Fluoranthene | 1.24 | J | 2.31 | ug/kg wet | 1.85 | | 67.1 | | | |
| Fluorene | 1.25 | J | 2.31 | ug/kg wet | 1.85 | | 67.7 | | | |
| Hexachlorobenzene | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| Hexachlorobutadiene | 1.31 | J | 2.31 | ug/kg wet | 1.85 | | 70.9 | | | |
| Hexachlorocyclopentadiene | 1.26 | J | 2.31 | ug/kg wet | 1.85 | | 68.4 | | | |
| Hexachloroethane | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| Indeno(1,2,3-cd) pyrene | 1.34 | J | 2.31 | ug/kg wet | 1.85 | | 72.4 | | | |
| Isophorone | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| Naphthalene | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| Nitrobenzene | 1.36 | J | 2.31 | ug/kg wet | 1.85 | | 73.9 | | | |
| n-Nitrosodimethylamine | 10.6 | | 2.31 | ug/kg wet | 9.23 | | 115 | | | |
| n-Nitrosodi-n-propylamine | 2.19 | J | 2.31 | ug/kg wet | 1.85 | | 119 | | | |
| n-Nitrosodiphenylamine | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| Pentachlorophenol | 3.08 | J | 4.61 | ug/kg wet | 3.69 | | 83.4 | | | |
| Phenanthrene | 1.56 | J | 2.31 | ug/kg wet | 1.85 | | 84.5 | | | |
| Phenol, Total | 4.04 | J | 4.61 | ug/kg wet | 3.69 | | 109 | | | |
| Pyrene | <2.31 | U | 2.31 | ug/kg wet | 1.85 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.8* | *ug/kg wet* | *18.5* | | *74.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *31.3* | *ug/kg wet* | *36.9* | | *84.8* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *29.1* | *ug/kg wet* | *36.9* | | *78.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.4* | *ug/kg wet* | *18.5* | | *89.0* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *34.4* | *ug/kg wet* | *36.9* | | *93.2* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.9* | *ug/kg wet* | *18.5* | | *86.0* | *60-140* | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0958 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0958-MS1)** | **Source: 22A3944-29RE1** | | | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 13.8 | J1 | 3.02 | ug/kg dry | 24.1 | <3.02 | 57.4 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 12.8 | J1 | 3.02 | ug/kg dry | 24.1 | <3.02 | 53.0 | 60-140 | | |
| 1,2-Diphenylhydrazine | 18.2 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 75.6 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 12.7 | J1 | 3.02 | ug/kg dry | 24.1 | <3.02 | 52.8 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 11.1 | J1 | 3.02 | ug/kg dry | 24.1 | <3.02 | 46.1 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 15.6 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 64.5 | 60-140 | | |
| 2,4,6-Trichlorophenol | 93.2 | | 6.03 | ug/kg dry | 96.5 | <6.03 | 96.6 | 60-140 | | |
| 2,4-Dichlorophenol | 43.6 | | 6.03 | ug/kg dry | 48.3 | <6.03 | 90.3 | 60-140 | | |
| 2,4-Dimethylphenol | 44.3 | | 6.03 | ug/kg dry | 48.3 | <6.03 | 91.9 | 60-140 | | |
| 2,4-Dinitrophenol | 42.2 | | 6.03 | ug/kg dry | 121 | <6.03 | 35.0 | 10-51.3 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 19.4 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 80.6 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 16.5 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 68.5 | 60-140 | | |
| 2-Chloronaphthalene | 20.9 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 86.8 | 60-140 | | |
| 2-Chlorophenol | 45.6 | | 6.03 | ug/kg dry | 48.3 | <6.03 | 94.5 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 36.8 | | 24.1 | ug/kg dry | 48.3 | <24.1 | 76.4 | 60-140 | | |
| 2-Nitrophenol | 42.8 | | 6.03 | ug/kg dry | 48.3 | <6.03 | 88.6 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 19.7 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 81.5 | 60-140 | | |
| 4-Chloro-3-methylphenol | 54.6 | | 6.03 | ug/kg dry | 48.3 | <6.03 | 113 | 60-140 | | |
| 4-Chlorophenyl phenylether | 17.6 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 72.9 | 60-140 | | |
| 4-Nitrophenol | 108 | | 3.02 | ug/kg dry | 121 | <3.02 | 89.9 | 60-140 | | |
| Acenaphthene | 18.0 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 74.6 | 60-140 | | |
| Acenaphthylene | 15.9 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 66.1 | 60-140 | | |
| Anthracene | 15.7 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 64.9 | 60-140 | | |
| Benzo(a)anthracene | 16.9 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 70.0 | 60-140 | | |
| Benzo(a)pyrene | 15.5 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 64.1 | 60-140 | | |
| benzo(b&k)fluoranthene | 34.1 | | 3.02 | ug/kg dry | 48.3 | 1.62 | 67.2 | 60-140 | | |
| Benzo(g,h,i)perylene | 15.3 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 63.3 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 18.2 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 75.5 | 60-140 | | |
| bis(2-Chloroethyl) ether | 15.9 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 65.7 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 21.4 | | 3.02 | ug/kg dry | 24.1 | 5.60 | 65.5 | 60-140 | | |
| Butyl benzyl phthalate | 14.3 | J1 | 3.02 | ug/kg dry | 24.1 | <3.02 | 59.2 | 60-140 | | |
| Chrysene | 19.0 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 78.9 | 60-140 | | |
| Dibenzo(a,h)anthracene | 14.5 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 60.1 | 60-140 | | |
| Diethyl phthalate | 17.6 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 73.1 | 60-140 | | |
| Dimethyl phthalate | 17.2 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 71.2 | 60-140 | | |
| Di-n-butyl phthalate | 16.9 | J1 | 3.02 | ug/kg dry | 24.1 | 3.03 | 57.5 | 60-140 | | |
| Di-n-octyl phthalate | 16.1 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 66.7 | 60-140 | | |
| Fluoranthene | 13.6 | J1 | 3.02 | ug/kg dry | 24.1 | <3.02 | 56.4 | 60-140 | | |
| Fluorene | 18.0 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 74.6 | 60-140 | | |
| Hexachlorobenzene | 17.2 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 71.2 | 60-140 | | |
| Hexachlorobutadiene | 12.0 | J1 | 3.02 | ug/kg dry | 24.1 | <3.02 | 49.9 | 60-140 | | |
| Hexachlorocyclopentadiene | 6.33 | J1 | 3.02 | ug/kg dry | 24.1 | <3.02 | 26.2 | 60-140 | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0958 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0958-MS1)** | **Source: 22A3944-29RE1** | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | | | |
| Hexachloroethane | 12.4 | J1 | 3.02 | ug/kg dry | 24.1 | <3.02 | 51.4 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 15.0 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 62.2 | 60-140 | | |
| Isophorone | 16.9 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 70.0 | 60-140 | | |
| Naphthalene | 16.0 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 66.3 | 60-140 | | |
| Nitrobenzene | 18.1 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 75.0 | 60-140 | | |
| n-Nitrosodimethylamine | 67.4 | J1 | 3.02 | ug/kg dry | 121 | <3.02 | 55.9 | 60-140 | | |
| n-Nitrosodi-n-propylamine | 17.1 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 70.8 | 60-140 | | |
| n-Nitrosodiphenylamine | 10.9 | J1 | 3.02 | ug/kg dry | 24.1 | <3.02 | 45.1 | 60-140 | | |
| Pentachlorophenol | 39.0 | | 6.03 | ug/kg dry | 48.3 | <6.03 | 80.8 | 60-140 | | |
| Phenanthrene | 16.1 | | 3.02 | ug/kg dry | 24.1 | <3.02 | 66.7 | 60-140 | | |
| Phenol, Total | 47.3 | | 6.03 | ug/kg dry | 48.3 | <6.03 | 98.0 | 60-140 | | |
| Pyrene | 13.7 | J1 | 3.02 | ug/kg dry | 24.1 | <3.02 | 56.6 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *20.9* | *ug/kg dry* | *24.1* | | *86.7* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *41.3* | *ug/kg dry* | *48.3* | | *85.6* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *38.6* | *ug/kg dry* | *48.3* | | *80.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *20.9* | *ug/kg dry* | *24.1* | | *86.8* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *50.6* | *ug/kg dry* | *48.3* | | *105* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.6* | *ug/kg dry* | *24.1* | | *60.5* | *60-140* | | |
| **Matrix Spike Dup (BFC0958-MSD1)** | **Source: 22A3944-29RE1** | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | | | |
| 1,2,4-Trichlorobenzene | 16.2 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 70.9 | 60-140 | 15.8 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 12.5 | J1 | 2.86 | ug/kg dry | 22.9 | <2.86 | 54.7 | 60-140 | 2.11 | 40 |
| 1,2-Diphenylhydrazine | 18.1 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 79.1 | 60-140 | 0.698 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 10.6 | J1 | 2.86 | ug/kg dry | 22.9 | <2.86 | 46.5 | 60-140 | 17.9 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 11.9 | J1 | 2.86 | ug/kg dry | 22.9 | <2.86 | 52.2 | 60-140 | 7.05 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 14.9 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 65.2 | 60-140 | 4.11 | 40 |
| 2,4,6-Trichlorophenol | 91.2 | | 5.72 | ug/kg dry | 91.6 | <5.72 | 99.6 | 60-140 | 2.16 | 40 |
| 2,4-Dichlorophenol | 40.6 | | 5.72 | ug/kg dry | 45.8 | <5.72 | 88.6 | 60-140 | 7.17 | 40 |
| 2,4-Dimethylphenol | 46.8 | | 5.72 | ug/kg dry | 45.8 | <5.72 | 102 | 60-140 | 5.41 | 40 |
| 2,4-Dinitrophenol | 37.6 | | 5.72 | ug/kg dry | 114 | <5.72 | 32.9 | 10-51.3 | 11.5 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 16.7 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 72.8 | 60-140 | 15.3 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 16.3 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 71.1 | 60-140 | 1.49 | 40 |
| 2-Chloronaphthalene | 21.4 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 93.5 | 60-140 | 2.22 | 40 |
| 2-Chlorophenol | 46.7 | | 5.72 | ug/kg dry | 45.8 | <5.72 | 102 | 60-140 | 2.30 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 35.6 | | 22.9 | ug/kg dry | 45.8 | <22.9 | 77.7 | 60-140 | 3.56 | 40 |
| 2-Nitrophenol | 42.7 | | 5.72 | ug/kg dry | 45.8 | <5.72 | 93.4 | 60-140 | 0.0187 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 17.1 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 74.7 | 60-140 | 14.0 | 40 |
| 4-Chloro-3-methylphenol | 45.0 | | 5.72 | ug/kg dry | 45.8 | <5.72 | 98.4 | 60-140 | 19.3 | 40 |
| 4-Chlorophenyl phenylether | 17.2 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 75.3 | 60-140 | 2.08 | 40 |
| 4-Nitrophenol | 101 | | 2.86 | ug/kg dry | 114 | <2.86 | 88.4 | 60-140 | 6.99 | 40 |
| Acenaphthene | 17.7 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 77.2 | 60-140 | 1.77 | 40 |
| Acenaphthylene | 15.6 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 68.1 | 60-140 | 2.19 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0958 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC0958-MSD1)** | **Source: 22A3944-29RE1** | | Prepared: 3/7/2022 Analyzed: 4/12/2022 | | | | | | | |
| Anthracene | 15.4 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 67.1 | 60-140 | 1.80 | 40 |
| Benzo(a)anthracene | 16.4 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 71.8 | 60-140 | 2.77 | 40 |
| Benzo(a)pyrene | 15.4 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 67.2 | 60-140 | 0.555 | 40 |
| benzo(b&k)fluoranthene | 33.0 | | 2.86 | ug/kg dry | 45.8 | 1.62 | 68.5 | 60-140 | 3.27 | 40 |
| Benzo(g,h,i)perylene | 15.2 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 66.4 | 60-140 | 0.429 | 40 |
| bis(2-Chloroethoxy)methane | 17.0 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 74.5 | 60-140 | 6.66 | 40 |
| bis(2-Chloroethyl) ether | 11.7 | J1 | 2.86 | ug/kg dry | 22.9 | <2.86 | 51.3 | 60-140 | 29.8 | 40 |
| Bis(2-ethylhexyl )phthalate | 19.9 | | 2.86 | ug/kg dry | 22.9 | 5.60 | 62.5 | 60-140 | 7.22 | 40 |
| Butyl benzyl phthalate | 13.4 | J1 | 2.86 | ug/kg dry | 22.9 | <2.86 | 58.6 | 60-140 | 6.22 | 40 |
| Chrysene | 17.6 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 77.1 | 60-140 | 7.64 | 40 |
| Dibenzo(a,h)anthracene | 14.8 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 64.5 | 60-140 | 1.82 | 40 |
| Diethyl phthalate | 16.6 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 72.4 | 60-140 | 6.11 | 40 |
| Dimethyl phthalate | 17.3 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 75.5 | 60-140 | 0.637 | 40 |
| Di-n-butyl phthalate | 15.1 | J1 | 2.86 | ug/kg dry | 22.9 | 3.03 | 52.8 | 60-140 | 11.2 | 40 |
| Di-n-octyl phthalate | 15.3 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 66.9 | 60-140 | 4.87 | 40 |
| Fluoranthene | 14.7 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 64.3 | 60-140 | 7.87 | 40 |
| Fluorene | 18.5 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 80.8 | 60-140 | 2.63 | 40 |
| Hexachlorobenzene | 16.9 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 73.9 | 60-140 | 1.51 | 40 |
| Hexachlorobutadiene | 14.3 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 62.6 | 60-140 | 17.4 | 40 |
| Hexachlorocyclopentadiene | 5.53 | J1 | 2.86 | ug/kg dry | 22.9 | <2.86 | 24.1 | 60-140 | 13.5 | 40 |
| Hexachloroethane | 12.4 | J1 | 2.86 | ug/kg dry | 22.9 | <2.86 | 54.2 | 60-140 | 0.0774 | 40 |
| Indeno(1,2,3-cd) pyrene | 14.6 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 63.9 | 60-140 | 2.52 | 40 |
| Isophorone | 16.2 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 70.8 | 60-140 | 4.04 | 40 |
| Naphthalene | 15.3 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 66.9 | 60-140 | 4.37 | 40 |
| Nitrobenzene | 18.4 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 80.2 | 60-140 | 1.51 | 40 |
| n-Nitrosodimethylamine | 61.3 | J1 | 2.86 | ug/kg dry | 114 | <2.86 | 53.5 | 60-140 | 9.51 | 40 |
| n-Nitrosodi-n-propylamine | 16.1 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 70.2 | 60-140 | 6.11 | 40 |
| n-Nitrosodiphenylamine | 10.0 | J1 | 2.86 | ug/kg dry | 22.9 | <2.86 | 43.8 | 60-140 | 8.28 | 40 |
| Pentachlorophenol | 39.4 | | 5.72 | ug/kg dry | 45.8 | <5.72 | 86.1 | 60-140 | 1.18 | 40 |
| Phenanthrene | 15.5 | | 2.86 | ug/kg dry | 22.9 | <2.86 | 67.5 | 60-140 | 4.02 | 40 |
| Phenol, Total | 47.7 | | 5.72 | ug/kg dry | 45.8 | <5.72 | 104 | 60-140 | 0.874 | 40 |
| Pyrene | 13.7 | J1 | 2.86 | ug/kg dry | 22.9 | <2.86 | 59.8 | 60-140 | 0.251 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *19.2* | *ug/kg dry* | *22.9* | | *83.7* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *38.1* | *ug/kg dry* | *45.8* | | *83.3* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *42.5* | *ug/kg dry* | *45.8* | | *92.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *20.0* | *ug/kg dry* | *22.9* | | *87.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *47.0* | *ug/kg dry* | *45.8* | | *103* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *13.8* | *ug/kg dry* | *22.9* | | *60.3* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511*** | | | | | | | | | | |
| **Blank (BFC1100-BLK1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/31/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.559 | U | 0.559 | ug/L | | | | | | |
| Benzidine | <0.559 | U | 0.559 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *11.3* | *ug/L* | *9.94* | | *114* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.1* | *ug/L* | *19.9* | | *116* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.2* | *ug/L* | *19.9* | | *102* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *15.0* | *ug/L* | *9.94* | | *151* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *24.8* | *ug/L* | *19.9* | | *125* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.0* | *ug/L* | *9.94* | | *101* | *51.9-147* | | |
| **Blank (BFC1100-BLK2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.559 | U | 0.559 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.559 | U | 0.559 | ug/L | | | | | | |
| 1,2-Diphenylhydrazine | <0.559 | U | 0.559 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.559 | U | 0.559 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.559 | U | 0.559 | ug/L | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <0.559 | U | 0.559 | ug/L | | | | | | |
| 2,4,6-Trichlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.559 | U | 0.559 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.47 | U | 4.47 | ug/L | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.559 | U | 0.559 | ug/L | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <0.559 | U | 0.559 | ug/L | | | | | | |
| 2-Chloronaphthalene | <0.559 | U | 0.559 | ug/L | | | | | | |
| 2-Chlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Nitrophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <0.559 | U | 0.559 | ug/L | | | | | | |
| 4-Chloro-3-methylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Chlorophenyl phenylether | <0.559 | U | 0.559 | ug/L | | | | | | |
| 4-Nitrophenol | <4.47 | U | 4.47 | ug/L | | | | | | |
| Acenaphthene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Acenaphthylene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Anthracene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.559 | U | 0.559 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.559 | U | 0.559 | ug/L | | | | | | |
| bis(2-Chloroethoxy)methane | <0.559 | U | 0.559 | ug/L | | | | | | |
| bis(2-Chloroethyl) ether | <0.559 | U | 0.559 | ug/L | | | | | | |
| Bis(2-ethylhexyl )phthalate | 0.397 | J | 0.559 | ug/L | | | | | | |
| Butyl benzyl phthalate | 0.393 | J | 0.559 | ug/L | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFC1100-BLK2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| Chrysene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Diethyl phthalate | 0.312 | J | 0.559 | ug/L | | | | | | |
| Dimethyl phthalate | <0.559 | U | 0.559 | ug/L | | | | | | |
| Di-n-butyl phthalate | 2.67 | | 0.559 | ug/L | | | | | | |
| Di-n-octyl phthalate | <0.559 | U | 0.559 | ug/L | | | | | | |
| Fluoranthene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Fluorene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Hexachlorobenzene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Hexachlorocyclopentadiene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Hexachloroethane | <0.559 | U | 0.559 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Isophorone | <0.559 | U | 0.559 | ug/L | | | | | | |
| Naphthalene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Nitrobenzene | <0.559 | U | 0.559 | ug/L | | | | | | |
| n-Nitrosodimethylamine | <2.24 | U | 2.24 | ug/L | | | | | | |
| n-Nitrosodi-n-propylamine | <0.559 | U | 0.559 | ug/L | | | | | | |
| n-Nitrosodiphenylamine | <0.559 | U | 0.559 | ug/L | | | | | | |
| Pentachlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| Phenanthrene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Phenol, Total | <1.12 | U | 1.12 | ug/L | | | | | | |
| Pyrene | <0.559 | U | 0.559 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *11.0* | *ug/L* | *9.94* | | *111* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *25.2* | *ug/L* | *19.9* | | *127* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *22.9* | *ug/L* | *19.9* | | *115* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.2* | *ug/L* | *9.94* | | *123* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.5* | *ug/L* | *19.9* | | *118* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *13.0* | *ug/L* | *9.94* | | *131* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Benz (BFC1100-BS1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/31/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 8.04 | | 0.559 | ug/L | 9.94 | | 80.8 | 22.3-156 | | |
| Benzidine | 2.32 | | 0.559 | ug/L | 9.94 | | 23.3 | 9.32-162 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.8* | *ug/L* | *9.94* | | *109* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.5* | *ug/L* | *19.9* | | *108* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.9* | *ug/L* | *19.9* | | *94.9* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.3* | *ug/L* | *9.94* | | *124* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *19.8* | *ug/L* | *19.9* | | *99.5* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.20* | *ug/L* | *9.94* | | *92.5* | *51.9-147* | | |
| **LCS (BFC1100-BS2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 8.12 | | 0.561 | ug/L | 9.97 | | 81.4 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.06 | | 0.561 | ug/L | 9.97 | | 80.8 | 60-140 | | |
| 1,2-Diphenylhydrazine | 9.23 | | 0.561 | ug/L | 9.97 | | 92.5 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 7.11 | | 0.561 | ug/L | 9.97 | | 71.3 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.15 | | 0.561 | ug/L | 9.97 | | 71.7 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 8.19 | | 0.561 | ug/L | 9.97 | | 82.2 | 60-140 | | |
| 2,4,6-Trichlorophenol | 21.9 | | 1.12 | ug/L | 19.9 | | 110 | 60-140 | | |
| 2,4-Dichlorophenol | 23.2 | | 0.561 | ug/L | 19.9 | | 116 | 60-140 | | |
| 2,4-Dimethylphenol | 21.4 | | 1.12 | ug/L | 19.9 | | 107 | 35.9-153 | | |
| 2,4-Dinitrophenol | 41.3 | | 4.49 | ug/L | 49.9 | | 82.8 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.80 | | 0.561 | ug/L | 9.97 | | 88.2 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 9.18 | | 0.561 | ug/L | 9.97 | | 92.0 | 60-140 | | |
| 2-Chloronaphthalene | 8.64 | | 0.561 | ug/L | 9.97 | | 86.6 | 60-140 | | |
| 2-Chlorophenol | 19.1 | | 1.12 | ug/L | 19.9 | | 95.7 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 17.4 | | 1.12 | ug/L | 19.9 | | 87.2 | 60-140 | | |
| 2-Nitrophenol | 20.8 | | 1.12 | ug/L | 19.9 | | 104 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 9.38 | | 0.561 | ug/L | 9.97 | | 94.1 | 60-140 | | |
| 4-Chloro-3-methylphenol | 23.5 | | 1.12 | ug/L | 19.9 | | 118 | 60-140 | | |
| 4-Chlorophenyl phenylether | 9.09 | | 0.561 | ug/L | 9.97 | | 91.2 | 60-140 | | |
| 4-Nitrophenol | 43.5 | | 4.49 | ug/L | 49.9 | | 87.3 | 60-140 | | |
| Acenaphthene | 8.69 | | 0.561 | ug/L | 9.97 | | 87.1 | 60-140 | | |
| Acenaphthylene | 7.69 | | 0.561 | ug/L | 9.97 | | 77.1 | 60-140 | | |
| Anthracene | 8.90 | | 0.561 | ug/L | 9.97 | | 89.3 | 60-140 | | |
| Benzo(a)anthracene | 8.02 | | 0.561 | ug/L | 9.97 | | 80.4 | 60-140 | | |
| Benzo(a)pyrene | 8.20 | | 0.561 | ug/L | 9.97 | | 82.2 | 60-140 | | |
| benzo(b&k)fluoranthene | 18.1 | | 0.561 | ug/L | 19.9 | | 90.9 | 60-140 | | |
| Benzo(g,h,i)perylene | 8.88 | | 0.561 | ug/L | 9.97 | | 89.0 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 9.03 | | 0.561 | ug/L | 9.97 | | 90.6 | 60-140 | | |
| bis(2-Chloroethyl) ether | 9.61 | | 0.561 | ug/L | 9.97 | | 96.4 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 9.32 | | 0.561 | ug/L | 9.97 | | 93.5 | 60-140 | | |
| Butyl benzyl phthalate | 8.70 | | 0.561 | ug/L | 9.97 | | 87.2 | 60-140 | | |
| Chrysene | 8.85 | | 0.561 | ug/L | 9.97 | | 88.7 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC1100-BS2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| Dibenzo(a,h)anthracene | 8.98 | | 0.561 | ug/L | 9.97 | | 90.1 | 60-140 | | |
| Diethyl phthalate | 9.69 | | 0.561 | ug/L | 9.97 | | 97.2 | 60-140 | | |
| Dimethyl phthalate | 9.24 | | 0.561 | ug/L | 9.97 | | 92.7 | 60-140 | | |
| Di-n-butyl phthalate | 11.3 | | 0.561 | ug/L | 9.97 | | 113 | 60-140 | | |
| Di-n-octyl phthalate | 8.68 | | 0.561 | ug/L | 9.97 | | 87.1 | 60-140 | | |
| Fluoranthene | 9.07 | | 0.561 | ug/L | 9.97 | | 91.0 | 60-140 | | |
| Fluorene | 9.60 | | 0.561 | ug/L | 9.97 | | 96.3 | 60-140 | | |
| Hexachlorobenzene | 8.25 | | 0.561 | ug/L | 9.97 | | 82.7 | 60-140 | | |
| Hexachlorobutadiene | 5.58 | J1 | 0.561 | ug/L | 9.97 | | 56.0 | 60-140 | | |
| Hexachlorocyclopentadiene | 5.40 | J1 | 0.561 | ug/L | 9.97 | | 54.1 | 60-140 | | |
| Hexachloroethane | 5.99 | | 0.561 | ug/L | 9.97 | | 60.0 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 8.94 | | 0.561 | ug/L | 9.97 | | 89.7 | 60-140 | | |
| Isophorone | 8.58 | | 0.561 | ug/L | 9.97 | | 86.1 | 60-140 | | |
| Naphthalene | 8.41 | | 0.561 | ug/L | 9.97 | | 84.3 | 60-140 | | |
| Nitrobenzene | 8.87 | | 0.561 | ug/L | 9.97 | | 89.0 | 60-140 | | |
| n-Nitrosodimethylamine | 6.93 | | 2.24 | ug/L | 49.9 | | 13.9 | 2.5-65.7 | | |
| n-Nitrosodi-n-propylamine | 9.17 | | 0.561 | ug/L | 9.97 | | 92.0 | 60-140 | | |
| n-Nitrosodiphenylamine | 4.38 | V | 0.561 | ug/L | 9.97 | | 44.0 | 60-140 | | |
| Pentachlorophenol | 20.4 | | 1.12 | ug/L | 19.9 | | 102 | 36.8-149 | | |
| Phenanthrene | 8.66 | | 0.561 | ug/L | 9.97 | | 86.9 | 60-140 | | |
| Phenol, Total | 22.0 | | 1.12 | ug/L | 19.9 | | 111 | 60-140 | | |
| Pyrene | 9.01 | | 0.561 | ug/L | 9.97 | | 90.4 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.1* | *ug/L* | *9.97* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.1* | *ug/L* | *19.9* | | *111* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.6* | *ug/L* | *19.9* | | *103* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.0* | *ug/L* | *9.97* | | *111* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.0* | *ug/L* | *19.9* | | *115* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.4* | *ug/L* | *9.97* | | *105* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Benz Dup (BFC1100-BSD1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/31/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 7.23 | | 0.557 | ug/L | 9.90 | | 73.0 | 22.3-156 | 10.6 | 40 |
| Benzidine | 3.40 | | 0.557 | ug/L | 9.90 | | 34.3 | 9.32-162 | 37.9 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *7.73* | *ug/L* | *9.90* | | *78.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.0* | *ug/L* | *19.8* | | *106* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.2* | *ug/L* | *19.8* | | *96.8* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.7* | *ug/L* | *9.90* | | *118* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.7* | *ug/L* | *19.8* | | *94.2* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.79* | *ug/L* | *9.90* | | *78.7* | *51.9-147* | | |
| **LCS Dup (BFC1100-BSD2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.66 | | 0.557 | ug/L | 9.91 | | 77.3 | 60-140 | 5.82 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 5.27 | J1 | 0.557 | ug/L | 9.91 | | 53.2 | 60-140 | 41.8 | 40 |
| 1,2-Diphenylhydrazine | 8.28 | | 0.557 | ug/L | 9.91 | | 83.6 | 60-140 | 10.8 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.39 | | 0.557 | ug/L | 9.91 | | 64.4 | 60-140 | 10.7 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.11 | | 0.557 | ug/L | 9.91 | | 71.7 | 60-140 | 0.613 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 8.52 | | 0.557 | ug/L | 9.91 | | 85.9 | 60-140 | 3.86 | 40 |
| 2,4,6-Trichlorophenol | 20.4 | | 1.11 | ug/L | 19.8 | | 103 | 60-140 | 7.16 | 40 |
| 2,4-Dichlorophenol | 23.3 | | 0.557 | ug/L | 19.8 | | 118 | 60-140 | 0.490 | 40 |
| 2,4-Dimethylphenol | 21.3 | | 1.11 | ug/L | 19.8 | | 108 | 35.9-153 | 0.355 | 40 |
| 2,4-Dinitrophenol | 39.0 | | 4.46 | ug/L | 49.6 | | 78.7 | 60-140 | 5.70 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 7.66 | | 0.557 | ug/L | 9.91 | | 77.3 | 60-140 | 13.8 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 8.01 | | 0.557 | ug/L | 9.91 | | 80.8 | 60-140 | 13.5 | 40 |
| 2-Chloronaphthalene | 8.27 | | 0.557 | ug/L | 9.91 | | 83.5 | 60-140 | 4.31 | 40 |
| 2-Chlorophenol | 18.6 | | 1.11 | ug/L | 19.8 | | 93.8 | 60-140 | 2.60 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 15.4 | | 1.11 | ug/L | 19.8 | | 77.9 | 60-140 | 11.9 | 40 |
| 2-Nitrophenol | 20.9 | | 1.11 | ug/L | 19.8 | | 105 | 60-140 | 0.339 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 8.12 | | 0.557 | ug/L | 9.91 | | 82.0 | 60-140 | 14.3 | 40 |
| 4-Chloro-3-methylphenol | 21.7 | | 1.11 | ug/L | 19.8 | | 109 | 60-140 | 8.21 | 40 |
| 4-Chlorophenyl phenylether | 8.19 | | 0.557 | ug/L | 9.91 | | 82.6 | 60-140 | 10.5 | 40 |
| 4-Nitrophenol | 39.1 | | 4.46 | ug/L | 49.6 | | 79.0 | 60-140 | 10.6 | 40 |
| Acenaphthene | 8.30 | | 0.557 | ug/L | 9.91 | | 83.7 | 60-140 | 4.55 | 40 |
| Acenaphthylene | 7.45 | | 0.557 | ug/L | 9.91 | | 75.2 | 60-140 | 3.14 | 40 |
| Anthracene | 8.41 | | 0.557 | ug/L | 9.91 | | 84.9 | 60-140 | 5.63 | 40 |
| Benzo(a)anthracene | 7.56 | | 0.557 | ug/L | 9.91 | | 76.3 | 60-140 | 5.89 | 40 |
| Benzo(a)pyrene | 7.94 | | 0.557 | ug/L | 9.91 | | 80.1 | 60-140 | 3.15 | 40 |
| benzo(b&k)fluoranthene | 17.9 | | 0.557 | ug/L | 19.8 | | 90.1 | 60-140 | 1.52 | 40 |
| Benzo(g,h,i)perylene | 8.65 | | 0.557 | ug/L | 9.91 | | 87.3 | 60-140 | 2.60 | 40 |
| bis(2-Chloroethoxy)methane | 8.60 | | 0.557 | ug/L | 9.91 | | 86.7 | 60-140 | 4.90 | 40 |
| bis(2-Chloroethyl) ether | 10.3 | | 0.557 | ug/L | 9.91 | | 104 | 60-140 | 6.61 | 40 |
| Bis(2-ethylhexyl )phthalate | 9.23 | | 0.557 | ug/L | 9.91 | | 93.1 | 60-140 | 1.02 | 40 |
| Butyl benzyl phthalate | 8.40 | | 0.557 | ug/L | 9.91 | | 84.7 | 60-140 | 3.51 | 40 |
| Chrysene | 8.66 | | 0.557 | ug/L | 9.91 | | 87.4 | 60-140 | 2.12 | 40 |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC1100-BSD2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| Dibenzo(a,h)anthracene | 8.65 | | 0.557 | ug/L | 9.91 | | 87.3 | 60-140 | 3.79 | 40 |
| Diethyl phthalate | 7.70 | | 0.557 | ug/L | 9.91 | | 77.7 | 60-140 | 22.9 | 40 |
| Dimethyl phthalate | 7.79 | | 0.557 | ug/L | 9.91 | | 78.6 | 60-140 | 17.0 | 40 |
| Di-n-butyl phthalate | 9.03 | | 0.557 | ug/L | 9.91 | | 91.1 | 60-140 | 21.9 | 40 |
| Di-n-octyl phthalate | 8.53 | | 0.557 | ug/L | 9.91 | | 86.1 | 60-140 | 1.76 | 40 |
| Fluoranthene | 8.49 | | 0.557 | ug/L | 9.91 | | 85.6 | 60-140 | 6.67 | 40 |
| Fluorene | 8.78 | | 0.557 | ug/L | 9.91 | | 88.6 | 60-140 | 9.00 | 40 |
| Hexachlorobenzene | 8.08 | | 0.557 | ug/L | 9.91 | | 81.5 | 60-140 | 2.06 | 40 |
| Hexachlorobutadiene | 5.73 | J1 | 0.557 | ug/L | 9.91 | | 57.8 | 60-140 | 2.57 | 40 |
| Hexachlorocyclopentadiene | 6.27 | | 0.557 | ug/L | 9.91 | | 63.3 | 60-140 | 15.0 | 40 |
| Hexachloroethane | 6.37 | | 0.557 | ug/L | 9.91 | | 64.2 | 60-140 | 6.16 | 40 |
| Indeno(1,2,3-cd) pyrene | 8.63 | | 0.557 | ug/L | 9.91 | | 87.1 | 60-140 | 3.55 | 40 |
| Isophorone | 8.53 | | 0.557 | ug/L | 9.91 | | 86.1 | 60-140 | 0.612 | 40 |
| Naphthalene | 8.13 | | 0.557 | ug/L | 9.91 | | 82.0 | 60-140 | 3.34 | 40 |
| Nitrobenzene | 8.43 | | 0.557 | ug/L | 9.91 | | 85.0 | 60-140 | 5.12 | 40 |
| n-Nitrosodimethylamine | 7.61 | | 2.23 | ug/L | 49.6 | | 15.4 | 2.5-65.7 | 9.35 | 40 |
| n-Nitrosodi-n-propylamine | 9.54 | | 0.557 | ug/L | 9.91 | | 96.3 | 60-140 | 3.95 | 40 |
| n-Nitrosodiphenylamine | 3.65 | J1 | 0.557 | ug/L | 9.91 | | 36.8 | 60-140 | 18.4 | 40 |
| Pentachlorophenol | 17.1 | | 1.11 | ug/L | 19.8 | | 86.2 | 36.8-149 | 17.8 | 40 |
| Phenanthrene | 7.97 | | 0.557 | ug/L | 9.91 | | 80.4 | 60-140 | 8.33 | 40 |
| Phenol, Total | 25.9 | | 1.11 | ug/L | 19.8 | | 131 | 60-140 | 16.0 | 40 |
| Pyrene | 8.54 | | 0.557 | ug/L | 9.91 | | 86.2 | 60-140 | 5.43 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.0* | *ug/L* | *9.91* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.6* | *ug/L* | *19.8* | | *104* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.1* | *ug/L* | *19.8* | | *91.5* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.5* | *ug/L* | *9.91* | | *106* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *26.9* | *ug/L* | *19.8* | | *135* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.0* | *ug/L* | *9.91* | | *101* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFC0552-BLK1 (BFC1100-LBK1)** | | | | | Prepared: 3/8/2022 Analyzed: 4/1/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.557 | U | 0.557 | ug/L | | | | | | |
| Benzidine | <0.557 | U | 0.557 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.88* | *ug/L* | *9.90* | | *99.8* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *17.1* | *ug/L* | *19.8* | | *86.6* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *9.57* | *ug/L* | *19.8* | | *48.3* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.8* | *ug/L* | *9.90* | | *119* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.3* | *ug/L* | *19.8* | | *92.5* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.84* | *ug/L* | *9.90* | | *79.1* | *51.9-147* | | |
| **MRL Benz Check (BFC1100-MRL1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/31/2022 | | | | | |
| 3,3'-Dichlorobenzidine | <0.555 | U | 0.555 | ug/L | 0.493 | | | 50-150 | | |
| Benzidine | <0.555 | U | 0.555 | ug/L | 0.493 | | | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.5* | *ug/L* | *9.86* | | *147* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *19.8* | *ug/L* | *19.7* | | *100* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *24.3* | *ug/L* | *19.7* | | *123* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.6* | *ug/L* | *9.86* | | *107* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.2* | *ug/L* | *19.7* | | *92.2* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.7* | *ug/L* | *9.86* | | *109* | *51.9-147* | | |
| **MRL Check (BFC1100-MRL2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 0.411 | J | 0.560 | ug/L | 0.498 | | 82.7 | 50-150 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 0.415 | J | 0.560 | ug/L | 0.498 | | 83.3 | 50-150 | | |
| 1,2-Diphenylhydrazine | 0.375 | J | 0.560 | ug/L | 0.498 | | 75.4 | 50-150 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 0.334 | J | 0.560 | ug/L | 0.498 | | 67.1 | 50-150 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 0.358 | J | 0.560 | ug/L | 0.498 | | 71.9 | 50-150 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 0.532 | J | 0.560 | ug/L | 0.498 | | 107 | 50-150 | | |
| 2,4,6-Trichlorophenol | 0.946 | J | 1.12 | ug/L | 0.995 | | 95.1 | 50-150 | | |
| 2,4-Dichlorophenol | 1.03 | | 0.560 | ug/L | 0.995 | | 104 | 50-150 | | |
| 2,4-Dimethylphenol | 1.12 | | 1.12 | ug/L | 0.995 | | 113 | 50-150 | | |
| 2,4-Dinitrophenol | <4.48 | U | 4.48 | ug/L | 2.49 | | | 50-150 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 0.435 | J | 0.560 | ug/L | 0.498 | | 87.3 | 50-150 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 0.284 | J | 0.560 | ug/L | 0.498 | | 57.1 | 50-150 | | |
| 2-Chloronaphthalene | 0.411 | J | 0.560 | ug/L | 0.498 | | 82.6 | 50-150 | | |
| 2-Chlorophenol | 0.967 | J | 1.12 | ug/L | 0.995 | | 97.1 | 50-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 0.930 | J | 1.12 | ug/L | 0.995 | | 93.4 | 50-150 | | |
| 2-Nitrophenol | 0.928 | J | 1.12 | ug/L | 0.995 | | 93.3 | 50-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 0.418 | J | 0.560 | ug/L | 0.498 | | 84.0 | 50-150 | | |
| 4-Chloro-3-methylphenol | 0.998 | J | 1.12 | ug/L | 0.995 | | 100 | 50-150 | | |
| 4-Chlorophenyl phenylether | 0.386 | J | 0.560 | ug/L | 0.498 | | 77.5 | 50-150 | | |
| 4-Nitrophenol | <4.48 | U | 4.48 | ug/L | 2.49 | | | 50-150 | | |
| Acenaphthene | 0.431 | J | 0.560 | ug/L | 0.498 | | 86.6 | 50-150 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MRL Check (BFC1100-MRL2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| Acenaphthylene | 0.333 | J | 0.560 | ug/L | 0.498 | | 66.9 | 50-150 | | |
| Anthracene | 0.461 | J | 0.560 | ug/L | 0.498 | | 92.7 | 50-150 | | |
| Benzo(a)anthracene | 0.412 | J | 0.560 | ug/L | 0.498 | | 82.9 | 50-150 | | |
| Benzo(a)pyrene | 0.421 | J | 0.560 | ug/L | 0.498 | | 84.6 | 50-150 | | |
| benzo(b&k)fluoranthene | 0.871 | | 0.560 | ug/L | 0.995 | | 87.5 | 50-150 | | |
| Benzo(g,h,i)perylene | 0.438 | J | 0.560 | ug/L | 0.498 | | 88.0 | 50-150 | | |
| bis(2-Chloroethoxy)methane | 0.436 | J | 0.560 | ug/L | 0.498 | | 87.7 | 50-150 | | |
| bis(2-Chloroethyl) ether | 0.449 | J | 0.560 | ug/L | 0.498 | | 90.3 | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 0.744 | | 0.560 | ug/L | 0.498 | | 150 | 50-150 | | |
| Butyl benzyl phthalate | 0.791 | | 0.560 | ug/L | 0.498 | | 159 | 50-150 | | |
| Chrysene | 0.502 | J | 0.560 | ug/L | 0.498 | | 101 | 50-150 | | |
| Dibenzo(a,h)anthracene | 0.377 | J | 0.560 | ug/L | 0.498 | | 75.8 | 50-150 | | |
| Diethyl phthalate | 0.704 | | 0.560 | ug/L | 0.498 | | 141 | 50-150 | | |
| Dimethyl phthalate | 0.396 | J | 0.560 | ug/L | 0.498 | | 79.6 | 50-150 | | |
| Di-n-butyl phthalate | 3.40 | | 0.560 | ug/L | 0.498 | | 684 | 50-150 | | |
| Di-n-octyl phthalate | 0.412 | J | 0.560 | ug/L | 0.498 | | 82.8 | 50-150 | | |
| Fluoranthene | 0.461 | J | 0.560 | ug/L | 0.498 | | 92.7 | 50-150 | | |
| Fluorene | 0.419 | J | 0.560 | ug/L | 0.498 | | 84.3 | 50-150 | | |
| Hexachlorobenzene | 0.417 | J | 0.560 | ug/L | 0.498 | | 83.7 | 50-150 | | |
| Hexachlorobutadiene | <0.560 | U | 0.560 | ug/L | 0.498 | | | 50-150 | | |
| Hexachlorocyclopentadiene | <0.560 | U | 0.560 | ug/L | 0.498 | | | 50-150 | | |
| Hexachloroethane | <0.560 | U | 0.560 | ug/L | 0.498 | | | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | 0.385 | J | 0.560 | ug/L | 0.498 | | 77.3 | 50-150 | | |
| Isophorone | 0.419 | J | 0.560 | ug/L | 0.498 | | 84.3 | 50-150 | | |
| Naphthalene | 0.459 | J | 0.560 | ug/L | 0.498 | | 92.2 | 50-150 | | |
| Nitrobenzene | 0.404 | J | 0.560 | ug/L | 0.498 | | 81.1 | 50-150 | | |
| n-Nitrosodimethylamine | <2.24 | U | 2.24 | ug/L | 2.49 | | | 50-150 | | |
| n-Nitrosodi-n-propylamine | 0.402 | J | 0.560 | ug/L | 0.498 | | 80.9 | 50-150 | | |
| n-Nitrosodiphenylamine | <0.560 | U | 0.560 | ug/L | 0.498 | | | 50-150 | | |
| Pentachlorophenol | 0.778 | J | 1.12 | ug/L | 0.995 | | 78.1 | 50-150 | | |
| Phenanthrene | 0.442 | J | 0.560 | ug/L | 0.498 | | 88.9 | 50-150 | | |
| Phenol, Total | 1.41 | | 1.12 | ug/L | 0.995 | | 141 | 50-150 | | |
| Pyrene | 0.472 | J | 0.560 | ug/L | 0.498 | | 94.8 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.82* | *ug/L* | *9.95* | | *98.7* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.5* | *ug/L* | *19.9* | | *113* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.4* | *ug/L* | *19.9* | | *102* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.5* | *ug/L* | *9.95* | | *105* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.0* | *ug/L* | *19.9* | | *110* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *11.6* | *ug/L* | *9.95* | | *117* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC1100-MS1)** | **Source: 22A3944-18** | | | | Prepared: 3/8/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.52 | | 0.560 | ug/L | 9.95 | <0.560 | 75.6 | 35.3-142 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 7.55 | | 0.560 | ug/L | 9.95 | <0.560 | 75.9 | 31.4-142 | | |
| 1,2-Diphenylhydrazine | 8.99 | | 0.560 | ug/L | 9.95 | <0.560 | 90.3 | 48.9-156 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 5.49 | | 0.560 | ug/L | 9.95 | <0.560 | 55.1 | 30.5-135 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 6.43 | | 0.560 | ug/L | 9.95 | <0.560 | 64.7 | 37.2-133 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 7.77 | | 0.560 | ug/L | 9.95 | <0.560 | 78.1 | 41.7-151 | | |
| 2,4,6-Trichlorophenol | 18.0 | | 1.12 | ug/L | 19.9 | <1.12 | 90.2 | 34.7-143 | | |
| 2,4-Dichlorophenol | 22.4 | | 0.560 | ug/L | 19.9 | <0.560 | 113 | 42.7-158 | | |
| 2,4-Dimethylphenol | 20.8 | | 1.12 | ug/L | 19.9 | <1.12 | 104 | 38.4-170 | | |
| 2,4-Dinitrophenol | 43.9 | | 4.48 | ug/L | 49.8 | <4.48 | 88.2 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.49 | | 0.560 | ug/L | 9.95 | <0.560 | 85.3 | 50.3-144 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 8.63 | | 0.560 | ug/L | 9.95 | <0.560 | 86.7 | 43.7-157 | | |
| 2-Chloronaphthalene | 8.21 | | 0.560 | ug/L | 9.95 | <0.560 | 82.5 | 27.4-158 | | |
| 2-Chlorophenol | 19.1 | | 1.12 | ug/L | 19.9 | <1.12 | 96.2 | 49.2-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 18.2 | | 1.12 | ug/L | 19.9 | <1.12 | 91.2 | 41.9-153 | | |
| 2-Nitrophenol | 21.2 | | 1.12 | ug/L | 19.9 | <1.12 | 107 | 51.9-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 8.90 | | 0.560 | ug/L | 9.95 | <0.560 | 89.4 | 45.2-146 | | |
| 4-Chloro-3-methylphenol | 22.4 | | 1.12 | ug/L | 19.9 | <1.12 | 113 | 46.9-147 | | |
| 4-Chlorophenyl phenylether | 8.57 | | 0.560 | ug/L | 9.95 | <0.560 | 86.2 | 44.5-143 | | |
| 4-Nitrophenol | 46.4 | | 4.48 | ug/L | 49.8 | <4.48 | 93.2 | 2-173 | | |
| Acenaphthene | 8.20 | | 0.560 | ug/L | 9.95 | <0.560 | 82.4 | 47.3-149 | | |
| Acenaphthylene | 7.28 | | 0.560 | ug/L | 9.95 | <0.560 | 73.2 | 56.5-173 | | |
| Anthracene | 8.64 | | 0.560 | ug/L | 9.95 | <0.560 | 86.8 | 49.7-160 | | |
| Benzo(a)anthracene | 7.84 | | 0.560 | ug/L | 9.95 | <0.560 | 78.8 | 41.7-151 | | |
| Benzo(a)pyrene | 7.81 | | 0.560 | ug/L | 9.95 | <0.560 | 78.5 | 45.4-133 | | |
| benzo(b&k)fluoranthene | 17.1 | | 0.560 | ug/L | 19.9 | <0.560 | 86.1 | 55.3-137 | | |
| Benzo(g,h,i)perylene | 8.31 | | 0.560 | ug/L | 9.95 | <0.560 | 83.5 | 37.9-152 | | |
| bis(2-Chloroethoxy)methane | 8.77 | | 0.560 | ug/L | 9.95 | <0.560 | 88.2 | 40.1-151 | | |
| bis(2-Chloroethyl) ether | 9.59 | | 0.560 | ug/L | 9.95 | <0.560 | 96.4 | 45.9-163 | | |
| Bis(2-ethylhexyl )phthalate | 8.45 | | 0.560 | ug/L | 9.95 | <0.560 | 84.9 | 38.3-135 | | |
| Butyl benzyl phthalate | 8.28 | | 0.560 | ug/L | 9.95 | <0.560 | 83.2 | 41.1-148 | | |
| Chrysene | 8.51 | | 0.560 | ug/L | 9.95 | <0.560 | 85.5 | 51-147 | | |
| Dibenzo(a,h)anthracene | 8.19 | | 0.560 | ug/L | 9.95 | <0.560 | 82.3 | 27.5-156 | | |
| Diethyl phthalate | 9.34 | | 0.560 | ug/L | 9.95 | 0.973 | 84.1 | 53.4-146 | | |
| Dimethyl phthalate | 8.68 | | 0.560 | ug/L | 9.95 | <0.560 | 87.2 | 53-151 | | |
| Di-n-butyl phthalate | 9.81 | | 0.560 | ug/L | 9.95 | 1.26 | 86.0 | 25.4-168 | | |
| Di-n-octyl phthalate | 7.96 | | 0.560 | ug/L | 9.95 | <0.560 | 80.0 | 39.2-123 | | |
| Fluoranthene | 8.89 | | 0.560 | ug/L | 9.95 | <0.560 | 89.4 | 45.3-156 | | |
| Fluorene | 9.09 | | 0.560 | ug/L | 9.95 | <0.560 | 91.4 | 56.3-145 | | |
| Hexachlorobenzene | 7.75 | | 0.560 | ug/L | 9.95 | <0.560 | 77.9 | 56.1-137 | | |
| Hexachlorobutadiene | 5.73 | | 0.560 | ug/L | 9.95 | <0.560 | 57.6 | 33.1-110 | | |
| Hexachlorocyclopentadiene | 5.33 | | 0.560 | ug/L | 9.95 | <0.560 | 53.5 | 2-179 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC1100-MS1)** | **Source: 22A3944-18** | | | | Prepared: 3/8/2022 Analyzed: 4/12/2022 | | | | | |
| Hexachloroethane | 5.69 | | 0.560 | ug/L | 9.95 | <0.560 | 57.2 | 36.2-106 | | |
| Indeno(1,2,3-cd) pyrene | 8.18 | | 0.560 | ug/L | 9.95 | <0.560 | 82.2 | 33.4-153 | | |
| Isophorone | 8.28 | | 0.560 | ug/L | 9.95 | <0.560 | 83.2 | 43.3-154 | | |
| Naphthalene | 7.86 | | 0.560 | ug/L | 9.95 | <0.560 | 79.0 | 45.1-153 | | |
| Nitrobenzene | 8.40 | | 0.560 | ug/L | 9.95 | <0.560 | 84.5 | 54.9-156 | | |
| n-Nitrosodimethylamine | 7.71 | | 2.24 | ug/L | 49.8 | <2.24 | 15.5 | 2-56.4 | | |
| n-Nitrosodi-n-propylamine | 8.75 | | 0.560 | ug/L | 9.95 | <0.560 | 88.0 | 38.3-160 | | |
| n-Nitrosodiphenylamine | 4.24 | | 0.560 | ug/L | 9.95 | <0.560 | 42.6 | 38.1-163 | | |
| Pentachlorophenol | 20.3 | | 1.12 | ug/L | 19.9 | <1.12 | 102 | 42.2-151 | | |
| Phenanthrene | 8.32 | | 0.560 | ug/L | 9.95 | <0.560 | 83.6 | 45.3-165 | | |
| Phenol, Total | 23.6 | | 1.12 | ug/L | 19.9 | 0.921 | 114 | 39.8-164 | | |
| Pyrene | 8.83 | | 0.560 | ug/L | 9.95 | <0.560 | 88.7 | 46.3-149 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.69* | *ug/L* | *9.95* | | *97.4* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.3* | *ug/L* | *19.9* | | *107* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.0* | *ug/L* | *19.9* | | *100* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.4* | *ug/L* | *9.95* | | *105* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *24.5* | *ug/L* | *19.9* | | *123* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.73* | *ug/L* | *9.95* | | *97.8* | *51.9-147* | | |
| **Matrix Spike Dup (BFC1100-MSD1)** | **Source: 22A3944-18** | | | | Prepared: 3/8/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.62 | | 0.559 | ug/L | 9.94 | <0.559 | 76.7 | 35.3-142 | 1.30 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 7.59 | | 0.559 | ug/L | 9.94 | <0.559 | 76.4 | 31.4-142 | 0.489 | 40 |
| 1,2-Diphenylhydrazine | 8.84 | | 0.559 | ug/L | 9.94 | <0.559 | 89.0 | 48.9-156 | 1.59 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.05 | | 0.559 | ug/L | 9.94 | <0.559 | 60.9 | 30.5-135 | 9.87 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 6.62 | | 0.559 | ug/L | 9.94 | <0.559 | 66.6 | 37.2-133 | 2.83 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 7.50 | | 0.559 | ug/L | 9.94 | <0.559 | 75.4 | 41.7-151 | 3.60 | 40 |
| 2,4,6-Trichlorophenol | 20.1 | | 1.12 | ug/L | 19.9 | <1.12 | 101 | 34.7-143 | 11.1 | 40 |
| 2,4-Dichlorophenol | 22.4 | | 0.559 | ug/L | 19.9 | <0.559 | 113 | 42.7-158 | 0.344 | 40 |
| 2,4-Dimethylphenol | 21.1 | | 1.12 | ug/L | 19.9 | <1.12 | 106 | 38.4-170 | 1.57 | 40 |
| 2,4-Dinitrophenol | 42.1 | | 4.47 | ug/L | 49.7 | <4.47 | 84.7 | 60-140 | 4.24 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 8.31 | | 0.559 | ug/L | 9.94 | <0.559 | 83.6 | 50.3-144 | 2.12 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 8.49 | | 0.559 | ug/L | 9.94 | <0.559 | 85.5 | 43.7-157 | 1.56 | 40 |
| 2-Chloronaphthalene | 8.22 | | 0.559 | ug/L | 9.94 | <0.559 | 82.7 | 27.4-158 | 0.146 | 40 |
| 2-Chlorophenol | 18.9 | | 1.12 | ug/L | 19.9 | <1.12 | 95.2 | 49.2-150 | 1.19 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 17.7 | | 1.12 | ug/L | 19.9 | <1.12 | 89.0 | 41.9-153 | 2.65 | 40 |
| 2-Nitrophenol | 21.3 | | 1.12 | ug/L | 19.9 | <1.12 | 107 | 51.9-150 | 0.394 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 8.65 | | 0.559 | ug/L | 9.94 | <0.559 | 87.0 | 45.2-146 | 2.87 | 40 |
| 4-Chloro-3-methylphenol | 22.1 | | 1.12 | ug/L | 19.9 | <1.12 | 111 | 46.9-147 | 1.62 | 40 |
| 4-Chlorophenyl phenylether | 8.38 | | 0.559 | ug/L | 9.94 | <0.559 | 84.4 | 44.5-143 | 2.25 | 40 |
| 4-Nitrophenol | 45.2 | | 4.47 | ug/L | 49.7 | <4.47 | 90.9 | 2-173 | 2.63 | 40 |
| Acenaphthene | 8.19 | | 0.559 | ug/L | 9.94 | <0.559 | 82.4 | 47.3-149 | 0.172 | 40 |
| Acenaphthylene | 7.39 | | 0.559 | ug/L | 9.94 | <0.559 | 74.4 | 56.5-173 | 1.58 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1100-MSD1)** | | | **Source: 22A3944-18** | | Prepared: 3/8/2022 Analyzed: 4/12/2022 | | | | | |
| Anthracene | 8.57 | | 0.559 | ug/L | 9.94 | <0.559 | 86.3 | 49.7-160 | 0.778 | 40 |
| Benzo(a)anthracene | 7.69 | | 0.559 | ug/L | 9.94 | <0.559 | 77.4 | 41.7-151 | 1.99 | 40 |
| Benzo(a)pyrene | 7.66 | | 0.559 | ug/L | 9.94 | <0.559 | 77.1 | 45.4-133 | 1.96 | 40 |
| benzo(b&k)fluoranthene | 16.9 | | 0.559 | ug/L | 19.9 | <0.559 | 84.8 | 55.3-137 | 1.61 | 40 |
| Benzo(g,h,i)perylene | 8.09 | | 0.559 | ug/L | 9.94 | <0.559 | 81.4 | 37.9-152 | 2.63 | 40 |
| bis(2-Chloroethoxy)methane | 8.78 | | 0.559 | ug/L | 9.94 | <0.559 | 88.4 | 40.1-151 | 0.0553 | 40 |
| bis(2-Chloroethyl) ether | 9.21 | | 0.559 | ug/L | 9.94 | <0.559 | 92.7 | 45.9-163 | 4.03 | 40 |
| Bis(2-ethylhexyl )phthalate | 8.10 | | 0.559 | ug/L | 9.94 | <0.559 | 81.5 | 38.3-135 | 4.21 | 40 |
| Butyl benzyl phthalate | 8.11 | | 0.559 | ug/L | 9.94 | <0.559 | 81.7 | 41.1-148 | 2.05 | 40 |
| Chrysene | 8.45 | | 0.559 | ug/L | 9.94 | <0.559 | 85.1 | 51-147 | 0.698 | 40 |
| Dibenzo(a,h)anthracene | 7.95 | | 0.559 | ug/L | 9.94 | <0.559 | 80.0 | 27.5-156 | 2.95 | 40 |
| Diethyl phthalate | 9.02 | | 0.559 | ug/L | 9.94 | 0.973 | 81.0 | 53.4-146 | 3.46 | 40 |
| Dimethyl phthalate | 8.55 | | 0.559 | ug/L | 9.94 | <0.559 | 86.0 | 53-151 | 1.51 | 40 |
| Di-n-butyl phthalate | 8.85 | | 0.559 | ug/L | 9.94 | 1.26 | 76.4 | 25.4-168 | 10.3 | 40 |
| Di-n-octyl phthalate | 7.72 | | 0.559 | ug/L | 9.94 | <0.559 | 77.7 | 39.2-123 | 3.07 | 40 |
| Fluoranthene | 8.93 | | 0.559 | ug/L | 9.94 | <0.559 | 89.9 | 45.3-156 | 0.463 | 40 |
| Fluorene | 8.84 | | 0.559 | ug/L | 9.94 | <0.559 | 89.0 | 56.3-145 | 2.82 | 40 |
| Hexachlorobenzene | 7.73 | | 0.559 | ug/L | 9.94 | <0.559 | 77.8 | 56.1-137 | 0.329 | 40 |
| Hexachlorobutadiene | 5.74 | | 0.559 | ug/L | 9.94 | <0.559 | 57.8 | 33.1-110 | 0.178 | 40 |
| Hexachlorocyclopentadiene | 5.43 | | 0.559 | ug/L | 9.94 | <0.559 | 54.7 | 2-179 | 1.99 | 40 |
| Hexachloroethane | 5.67 | | 0.559 | ug/L | 9.94 | <0.559 | 57.0 | 36.2-106 | 0.425 | 40 |
| Indeno(1,2,3-cd) pyrene | 8.00 | | 0.559 | ug/L | 9.94 | <0.559 | 80.5 | 33.4-153 | 2.21 | 40 |
| Isophorone | 8.41 | | 0.559 | ug/L | 9.94 | <0.559 | 84.6 | 43.3-154 | 1.57 | 40 |
| Naphthalene | 7.92 | | 0.559 | ug/L | 9.94 | <0.559 | 79.7 | 45.1-153 | 0.706 | 40 |
| Nitrobenzene | 8.38 | | 0.559 | ug/L | 9.94 | <0.559 | 84.3 | 54.9-156 | 0.345 | 40 |
| n-Nitrosodimethylamine | 6.97 | | 2.24 | ug/L | 49.7 | <2.24 | 14.0 | 2-56.4 | 10.2 | 40 |
| n-Nitrosodi-n-propylamine | 8.77 | | 0.559 | ug/L | 9.94 | <0.559 | 88.3 | 38.3-160 | 0.214 | 40 |
| n-Nitrosodiphenylamine | 4.17 | | 0.559 | ug/L | 9.94 | <0.559 | 42.0 | 38.1-163 | 1.73 | 40 |
| Pentachlorophenol | 19.4 | | 1.12 | ug/L | 19.9 | <1.12 | 97.4 | 42.2-151 | 4.57 | 40 |
| Phenanthrene | 8.34 | | 0.559 | ug/L | 9.94 | <0.559 | 83.9 | 45.3-165 | 0.238 | 40 |
| Phenol, Total | 22.6 | | 1.12 | ug/L | 19.9 | 0.921 | 109 | 39.8-164 | 4.21 | 40 |
| Pyrene | 8.74 | | 0.559 | ug/L | 9.94 | <0.559 | 87.9 | 46.3-149 | 1.06 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.67* | *ug/L* | *9.94* | | *97.3* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.8* | *ug/L* | *19.9* | | *109* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.6* | *ug/L* | *19.9* | | *98.7* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.5* | *ug/L* | *9.94* | | *105* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.4* | *ug/L* | *19.9* | | *118* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.57* | *ug/L* | *9.94* | | *96.3* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570*** | | | | | | | | | | |
| **Blank (BFC1525-BLK1)** | | | | Prepared: 3/10/2022 Analyzed: 4/5/2022 | | | | | | |
| 3,3'-Dichlorobenzidine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Benzidine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.1* | *ug/kg wet* | *19.4* | | *67.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *28.1* | *ug/kg wet* | *38.8* | | *72.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *32.1* | *ug/kg wet* | *38.8* | | *82.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.2* | *ug/kg wet* | *19.4* | | *83.3* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *28.7* | *ug/kg wet* | *38.8* | | *73.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *12.9* | *ug/kg wet* | *19.4* | | *66.6* | *60-140* | | |
| **Blank (BFC1525-BLK2)** | | | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | | |
| 1,2,4-Trichlorobenzene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 1,2-Diphenylhydrazine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 2,4-Dichlorophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 2,4-Dimethylphenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 2,4-Dinitrophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 2-Chloronaphthalene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <19.4 | U | 19.4 | ug/kg wet | | | | | | |
| 2-Nitrophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 4-Chloro-3-methylphenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 4-Chlorophenyl phenylether | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 4-Nitrophenol | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Acenaphthene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Acenaphthylene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Anthracene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Benzo(a)anthracene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Benzo(a)pyrene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| benzo(b&k)fluoranthene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Benzo(g,h,i)perylene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| bis(2-Chloroethoxy)methane | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Bis(2-ethylhexyl )phthalate | 2.44 | | 2.42 | ug/kg wet | | | | | | |
| Butyl benzyl phthalate | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Chrysene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Dibenzo(a,h)anthracene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Diethyl phthalate | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Dimethyl phthalate | <2.42 | U | 2.42 | ug/kg wet | | | | | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BFC1525-BLK2)** | | | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | | |
| Di-n-butyl phthalate | 6.98 | | 2.42 | ug/kg wet | | | | | | |
| Di-n-octyl phthalate | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Fluoranthene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Fluorene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Hexachlorobenzene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Hexachloroethane | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Indeno(1,2,3-cd) pyrene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Isophorone | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Naphthalene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Nitrobenzene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| n-Nitrosodi-n-propylamine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| n-Nitrosodiphenylamine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Pentachlorophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| Phenanthrene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Phenol, Total | 3.03 | J | 4.85 | ug/kg wet | | | | | | |
| Pyrene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *18.3* | *ug/kg wet* | *19.4* | | *94.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *38.6* | *ug/kg wet* | *38.8* | | *99.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *36.7* | *ug/kg wet* | *38.8* | | *94.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *20.5* | *ug/kg wet* | *19.4* | | *106* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *48.6* | *ug/kg wet* | *38.8* | | *125* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *17.7* | *ug/kg wet* | *19.4* | | *91.4* | *60-140* | | |
| **Blank (BFC1525-BLK3)** | | | | Prepared: 3/10/2022 Analyzed: 4/16/2022 | | | | | | |
| 2,4,6-Trichlorophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 2-Chlorophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| bis(2-Chloroethyl) ether | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Hexachlorobutadiene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Hexachlorocyclopentadiene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| n-Nitrosodimethylamine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *17.1* | *ug/kg wet* | *19.4* | | *88.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *44.8* | *ug/kg wet* | *38.8* | | *115* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *31.4* | *ug/kg wet* | *38.8* | | *80.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *20.5* | *ug/kg wet* | *19.4* | | *106* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *45.9* | *ug/kg wet* | *38.8* | | *118* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *18.8* | *ug/kg wet* | *19.4* | | *96.9* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFC1525-BS1)** | | | | | Prepared: 3/10/2022 Analyzed: 4/5/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 14.1 | | 2.50 | ug/kg wet | 20.0 | | 70.7 | 60-140 | | |
| Benzidine | <2.50 | J1, U | 2.50 | ug/kg wet | 20.0 | | | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.9* | *ug/kg wet* | *20.0* | | *69.7* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.8* | *ug/kg wet* | *39.9* | | *84.7* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *36.0* | *ug/kg wet* | *39.9* | | *90.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *19.6* | *ug/kg wet* | *20.0* | | *97.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *32.2* | *ug/kg wet* | *39.9* | | *80.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.3* | *ug/kg wet* | *20.0* | | *71.5* | *60-140* | | |
| **LCS (BFC1525-BS2)** | | | | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 10.3 | J1 | 2.43 | ug/kg wet | 19.5 | | 53.0 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.53 | J1 | 2.43 | ug/kg wet | 19.5 | | 43.8 | 60-140 | | |
| 1,2-Diphenylhydrazine | 13.9 | | 2.43 | ug/kg wet | 19.5 | | 71.3 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 8.06 | J1 | 2.43 | ug/kg wet | 19.5 | | 41.4 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.69 | J1 | 2.43 | ug/kg wet | 19.5 | | 39.5 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 11.9 | | 2.43 | ug/kg wet | 19.5 | | 61.0 | 60-140 | | |
| 2,4-Dichlorophenol | 32.0 | | 4.87 | ug/kg wet | 38.9 | | 82.2 | 60-140 | | |
| 2,4-Dimethylphenol | 36.9 | | 4.87 | ug/kg wet | 38.9 | | 94.7 | 60-140 | | |
| 2,4-Dinitrophenol | 12.6 | | 4.87 | ug/kg wet | 97.4 | | 12.9 | 10-50.4 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 12.1 | | 2.43 | ug/kg wet | 19.5 | | 62.2 | 60-140 | | |
| 2-Chloronaphthalene | 13.2 | | 2.43 | ug/kg wet | 19.5 | | 67.9 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 13.5 | J1, J | 19.5 | ug/kg wet | 38.9 | | 34.5 | 60-140 | | |
| 2-Nitrophenol | 37.1 | | 4.87 | ug/kg wet | 38.9 | | 95.1 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 14.2 | | 2.43 | ug/kg wet | 19.5 | | 73.1 | 60-140 | | |
| 4-Chloro-3-methylphenol | 40.0 | | 4.87 | ug/kg wet | 38.9 | | 103 | 60-140 | | |
| 4-Chlorophenyl phenylether | 12.8 | | 2.43 | ug/kg wet | 19.5 | | 65.8 | 60-140 | | |
| 4-Nitrophenol | 82.9 | | 2.43 | ug/kg wet | 97.4 | | 85.1 | 60-140 | | |
| Acenaphthene | 13.1 | | 2.43 | ug/kg wet | 19.5 | | 67.2 | 60-140 | | |
| Acenaphthylene | 11.3 | J1 | 2.43 | ug/kg wet | 19.5 | | 58.2 | 60-140 | | |
| Anthracene | 12.9 | | 2.43 | ug/kg wet | 19.5 | | 66.0 | 60-140 | | |
| Benzo(a)anthracene | 12.1 | | 2.43 | ug/kg wet | 19.5 | | 62.2 | 60-140 | | |
| Benzo(a)pyrene | 12.4 | | 2.43 | ug/kg wet | 19.5 | | 63.7 | 60-140 | | |
| benzo(b&k)fluoranthene | 24.8 | | 2.43 | ug/kg wet | 38.9 | | 63.8 | 60-140 | | |
| Benzo(g,h,i)perylene | 13.6 | | 2.43 | ug/kg wet | 19.5 | | 70.1 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 14.1 | | 2.43 | ug/kg wet | 19.5 | | 72.2 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 15.9 | | 2.43 | ug/kg wet | 19.5 | | 81.8 | 60-140 | | |
| Butyl benzyl phthalate | 11.3 | J1 | 2.43 | ug/kg wet | 19.5 | | 58.0 | 60-140 | | |
| Chrysene | 15.4 | | 2.43 | ug/kg wet | 19.5 | | 79.0 | 60-140 | | |
| Dibenzo(a,h)anthracene | 11.1 | J1 | 2.43 | ug/kg wet | 19.5 | | 57.1 | 60-140 | | |
| Diethyl phthalate | 13.9 | | 2.43 | ug/kg wet | 19.5 | | 71.5 | 60-140 | | |
| Dimethyl phthalate | 13.4 | | 2.43 | ug/kg wet | 19.5 | | 68.7 | 60-140 | | |
| Di-n-butyl phthalate | 18.2 | | 2.43 | ug/kg wet | 19.5 | | 93.3 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFC1525-BS2)** | | | | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | |
| Di-n-octyl phthalate | 14.0 | | 2.43 | ug/kg wet | 19.5 | | 71.6 | 60-140 | | |
| Fluoranthene | 12.2 | | 2.43 | ug/kg wet | 19.5 | | 62.7 | 60-140 | | |
| Fluorene | 13.6 | | 2.43 | ug/kg wet | 19.5 | | 70.0 | 60-140 | | |
| Hexachlorobenzene | 13.6 | | 2.43 | ug/kg wet | 19.5 | | 70.1 | 60-140 | | |
| Hexachloroethane | 6.86 | J1 | 2.43 | ug/kg wet | 19.5 | | 35.2 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 13.1 | | 2.43 | ug/kg wet | 19.5 | | 67.3 | 60-140 | | |
| Isophorone | 13.7 | | 2.43 | ug/kg wet | 19.5 | | 70.2 | 60-140 | | |
| Naphthalene | 11.3 | J1 | 2.43 | ug/kg wet | 19.5 | | 57.8 | 60-140 | | |
| Nitrobenzene | 14.5 | | 2.43 | ug/kg wet | 19.5 | | 74.2 | 60-140 | | |
| n-Nitrosodi-n-propylamine | 14.0 | | 2.43 | ug/kg wet | 19.5 | | 71.9 | 60-140 | | |
| n-Nitrosodiphenylamine | 10.2 | J1 | 2.43 | ug/kg wet | 19.5 | | 52.5 | 60-140 | | |
| Pentachlorophenol | 29.9 | | 4.87 | ug/kg wet | 38.9 | | 76.9 | 60-140 | | |
| Phenanthrene | 12.8 | | 2.43 | ug/kg wet | 19.5 | | 65.6 | 60-140 | | |
| Phenol, Total | 39.0 | | 4.87 | ug/kg wet | 38.9 | | 100 | 60-140 | | |
| Pyrene | 11.7 | | 2.43 | ug/kg wet | 19.5 | | 60.2 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.4* | *ug/kg wet* | *19.5* | | *69.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *34.8* | *ug/kg wet* | *38.9* | | *89.3* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *30.6* | *ug/kg wet* | *38.9* | | *78.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.1* | *ug/kg wet* | *19.5* | | *93.0* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *42.5* | *ug/kg wet* | *38.9* | | *109* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *13.2* | *ug/kg wet* | *19.5* | | *67.9* | *60-140* | | |
| **LCS (BFC1525-BS3)** | | | | | Prepared: 3/10/2022 Analyzed: 4/16/2022 | | | | | |
| 2,4,6-Trichlorophenol | 34.0 | | 4.87 | ug/kg wet | 38.9 | | 87.2 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 12.7 | | 2.43 | ug/kg wet | 19.5 | | 65.3 | 60-140 | | |
| 2-Chlorophenol | 28.5 | | 4.87 | ug/kg wet | 38.9 | | 73.3 | 60-140 | | |
| bis(2-Chloroethyl) ether | 14.6 | | 2.43 | ug/kg wet | 19.5 | | 75.0 | 60-140 | | |
| Hexachlorobutadiene | 7.69 | J1 | 2.43 | ug/kg wet | 19.5 | | 39.5 | 60-140 | | |
| Hexachlorocyclopentadiene | 6.62 | J1 | 2.43 | ug/kg wet | 19.5 | | 34.0 | 60-140 | | |
| n-Nitrosodimethylamine | 67.3 | | 2.43 | ug/kg wet | 97.4 | | 69.1 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.1* | *ug/kg wet* | *19.5* | | *72.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *37.2* | *ug/kg wet* | *38.9* | | *95.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *27.7* | *ug/kg wet* | *38.9* | | *71.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.7* | *ug/kg wet* | *19.5* | | *85.7* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *40.4* | *ug/kg wet* | *38.9* | | *104* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *16.2* | *ug/kg wet* | *19.5* | | *83.3* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC1525-BSD1)** | | | | | Prepared: 3/10/2022 Analyzed: 4/5/2022 | | | | | |
| 3,3'-Dichlorobenzidine | 12.0 | | 2.35 | ug/kg wet | 18.8 | | 64.1 | 60-140 | 15.9 | 40 |
| Benzidine | 1.36 | J1, J | 2.35 | ug/kg wet | 18.8 | | 7.24 | 60-140 | 86.1 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.3* | *ug/kg wet* | *18.8* | | *65.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *29.1* | *ug/kg wet* | *37.6* | | *77.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *32.9* | *ug/kg wet* | *37.6* | | *87.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.9* | *ug/kg wet* | *18.8* | | *90.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *28.3* | *ug/kg wet* | *37.6* | | *75.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *12.1* | *ug/kg wet* | *18.8* | | *64.5* | *60-140* | | |
| **LCS Dup (BFC1525-BSD2)** | | | | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 9.05 | J1 | 2.32 | ug/kg wet | 18.5 | | 48.8 | 60-140 | 13.0 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.19 | J1 | 2.32 | ug/kg wet | 18.5 | | 44.2 | 60-140 | 4.06 | 40 |
| 1,2-Diphenylhydrazine | 14.6 | | 2.32 | ug/kg wet | 18.5 | | 78.8 | 60-140 | 5.07 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.83 | J1 | 2.32 | ug/kg wet | 18.5 | | 36.8 | 60-140 | 16.5 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 5.99 | J1 | 2.32 | ug/kg wet | 18.5 | | 32.3 | 60-140 | 24.8 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 11.5 | | 2.32 | ug/kg wet | 18.5 | | 61.9 | 60-140 | 3.47 | 40 |
| 2,4-Dichlorophenol | 32.8 | | 4.63 | ug/kg wet | 37.1 | | 88.5 | 60-140 | 2.41 | 40 |
| 2,4-Dimethylphenol | 37.1 | | 4.63 | ug/kg wet | 37.1 | | 100 | 60-140 | 0.478 | 40 |
| 2,4-Dinitrophenol | 34.7 | J1 | 4.63 | ug/kg wet | 92.7 | | 37.4 | 10-50.4 | 93.6 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 13.0 | | 2.32 | ug/kg wet | 18.5 | | 69.9 | 60-140 | 6.68 | 40 |
| 2-Chloronaphthalene | 16.5 | | 2.32 | ug/kg wet | 18.5 | | 89.0 | 60-140 | 22.1 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 26.9 | J1 | 18.5 | ug/kg wet | 37.1 | | 72.6 | 60-140 | 66.7 | 40 |
| 2-Nitrophenol | 35.8 | | 4.63 | ug/kg wet | 37.1 | | 96.6 | 60-140 | 3.40 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 14.3 | | 2.32 | ug/kg wet | 18.5 | | 77.0 | 60-140 | 0.277 | 40 |
| 4-Chloro-3-methylphenol | 40.5 | | 4.63 | ug/kg wet | 37.1 | | 109 | 60-140 | 1.09 | 40 |
| 4-Chlorophenyl phenylether | 12.8 | | 2.32 | ug/kg wet | 18.5 | | 68.9 | 60-140 | 0.342 | 40 |
| 4-Nitrophenol | 87.8 | | 2.32 | ug/kg wet | 92.7 | | 94.7 | 60-140 | 5.77 | 40 |
| Acenaphthene | 13.5 | | 2.32 | ug/kg wet | 18.5 | | 72.7 | 60-140 | 2.86 | 40 |
| Acenaphthylene | 11.8 | | 2.32 | ug/kg wet | 18.5 | | 63.7 | 60-140 | 4.09 | 40 |
| Anthracene | 13.4 | | 2.32 | ug/kg wet | 18.5 | | 72.1 | 60-140 | 3.90 | 40 |
| Benzo(a)anthracene | 11.4 | | 2.32 | ug/kg wet | 18.5 | | 61.4 | 60-140 | 6.30 | 40 |
| Benzo(a)pyrene | 11.2 | | 2.32 | ug/kg wet | 18.5 | | 60.6 | 60-140 | 9.88 | 40 |
| benzo(b&k)fluoranthene | 23.1 | | 2.32 | ug/kg wet | 37.1 | | 62.4 | 60-140 | 7.20 | 40 |
| Benzo(g,h,i)perylene | 12.7 | | 2.32 | ug/kg wet | 18.5 | | 68.4 | 60-140 | 7.38 | 40 |
| bis(2-Chloroethoxy)methane | 14.4 | | 2.32 | ug/kg wet | 18.5 | | 77.5 | 60-140 | 2.12 | 40 |
| Bis(2-ethylhexyl )phthalate | 15.4 | | 2.32 | ug/kg wet | 18.5 | | 82.9 | 60-140 | 3.69 | 40 |
| Butyl benzyl phthalate | 11.7 | | 2.32 | ug/kg wet | 18.5 | | 62.9 | 60-140 | 3.12 | 40 |
| Chrysene | 14.3 | | 2.32 | ug/kg wet | 18.5 | | 76.9 | 60-140 | 7.64 | 40 |
| Dibenzo(a,h)anthracene | 11.5 | | 2.32 | ug/kg wet | 18.5 | | 61.9 | 60-140 | 3.18 | 40 |
| Diethyl phthalate | 14.6 | | 2.32 | ug/kg wet | 18.5 | | 78.7 | 60-140 | 4.60 | 40 |
| Dimethyl phthalate | 13.7 | | 2.32 | ug/kg wet | 18.5 | | 74.1 | 60-140 | 2.59 | 40 |
| Di-n-butyl phthalate | 17.9 | | 2.32 | ug/kg wet | 18.5 | | 96.8 | 60-140 | 1.24 | 40 |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC1525-BSD2)** | | | | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | |
| Di-n-octyl phthalate | 12.9 | | 2.32 | ug/kg wet | 18.5 | | 69.8 | 60-140 | 7.47 | 40 |
| Fluoranthene | 11.7 | | 2.32 | ug/kg wet | 18.5 | | 63.1 | 60-140 | 4.18 | 40 |
| Fluorene | 14.5 | | 2.32 | ug/kg wet | 18.5 | | 78.1 | 60-140 | 6.03 | 40 |
| Hexachlorobenzene | 13.1 | | 2.32 | ug/kg wet | 18.5 | | 70.9 | 60-140 | 3.76 | 40 |
| Hexachloroethane | 6.51 | J1 | 2.32 | ug/kg wet | 18.5 | | 35.1 | 60-140 | 5.28 | 40 |
| Indeno(1,2,3-cd) pyrene | 12.1 | | 2.32 | ug/kg wet | 18.5 | | 65.1 | 60-140 | 8.16 | 40 |
| Isophorone | 13.3 | | 2.32 | ug/kg wet | 18.5 | | 71.8 | 60-140 | 2.66 | 40 |
| Naphthalene | 12.1 | | 2.32 | ug/kg wet | 18.5 | | 65.5 | 60-140 | 7.49 | 40 |
| Nitrobenzene | 14.6 | | 2.32 | ug/kg wet | 18.5 | | 79.0 | 60-140 | 1.32 | 40 |
| n-Nitrosodi-n-propylamine | 15.1 | | 2.32 | ug/kg wet | 18.5 | | 81.4 | 60-140 | 7.52 | 40 |
| n-Nitrosodiphenylamine | 12.2 | | 2.32 | ug/kg wet | 18.5 | | 66.0 | 60-140 | 17.8 | 40 |
| Pentachlorophenol | 31.2 | | 4.63 | ug/kg wet | 37.1 | | 84.3 | 60-140 | 4.23 | 40 |
| Phenanthrene | 12.2 | | 2.32 | ug/kg wet | 18.5 | | 65.6 | 60-140 | 4.90 | 40 |
| Phenol, Total | 41.8 | | 4.63 | ug/kg wet | 37.1 | | 113 | 60-140 | 7.07 | 40 |
| Pyrene | 11.4 | | 2.32 | ug/kg wet | 18.5 | | 61.3 | 60-140 | 3.08 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.4* | *ug/kg wet* | *18.5* | | *67.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *29.9* | *ug/kg wet* | *37.1* | | *80.6* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *34.3* | *ug/kg wet* | *37.1* | | *92.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.0* | *ug/kg wet* | *18.5* | | *91.5* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *47.5* | *ug/kg wet* | *37.1* | | *128* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *13.0* | *ug/kg wet* | *18.5* | | *69.9* | *60-140* | | |
| **LCS Dup (BFC1525-BSD3)** | | | | | Prepared: 3/10/2022 Analyzed: 4/16/2022 | | | | | |
| 2,4,6-Trichlorophenol | 32.3 | | 4.63 | ug/kg wet | 37.1 | | 87.1 | 60-140 | 5.12 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 12.5 | | 2.32 | ug/kg wet | 18.5 | | 67.5 | 60-140 | 1.74 | 40 |
| 2-Chlorophenol | 27.6 | | 4.63 | ug/kg wet | 37.1 | | 74.5 | 60-140 | 3.26 | 40 |
| bis(2-Chloroethyl) ether | 13.0 | | 2.32 | ug/kg wet | 18.5 | | 70.1 | 60-140 | 11.7 | 40 |
| Hexachlorobutadiene | 7.09 | J1 | 2.32 | ug/kg wet | 18.5 | | 38.3 | 60-140 | 8.08 | 40 |
| Hexachlorocyclopentadiene | 5.78 | J1 | 2.32 | ug/kg wet | 18.5 | | 31.2 | 60-140 | 13.6 | 40 |
| n-Nitrosodimethylamine | 41.9 | J1 | 2.32 | ug/kg wet | 92.7 | | 45.2 | 60-140 | 46.5 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.6* | *ug/kg wet* | *18.5* | | *73.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *36.9* | *ug/kg wet* | *37.1* | | *99.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *26.2* | *ug/kg wet* | *37.1* | | *70.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.2* | *ug/kg wet* | *18.5* | | *87.2* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *35.9* | *ug/kg wet* | *37.1* | | *97.0* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.4* | *ug/kg wet* | *18.5* | | *83.1* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFC1525-MRL1)** | | | | Prepared: 3/10/2022 Analyzed: 4/5/2022 | | | | | | |
| 3,3'-Dichlorobenzidine | <2.39 | U | 2.39 | ug/kg wet | 1.92 | | | | | |
| Benzidine | <2.39 | U | 2.39 | ug/kg wet | 1.92 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.2* | *ug/kg wet* | *19.2* | | *68.7* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *31.4* | *ug/kg wet* | *38.3* | | *82.0* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *34.2* | *ug/kg wet* | *38.3* | | *89.4* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.5* | *ug/kg wet* | *19.2* | | *91.3* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *29.9* | *ug/kg wet* | *38.3* | | *77.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *13.4* | *ug/kg wet* | *19.2* | | *69.8* | *60-140* | | |
| **MRL Check (BFC1525-MRL2)** | | | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | | |
| 1,2,4-Trichlorobenzene | 1.58 | J | 2.48 | ug/kg wet | 1.98 | | 79.4 | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| 1,2-Diphenylhydrazine | 1.68 | J | 2.48 | ug/kg wet | 1.98 | | 84.6 | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 1.35 | J | 2.48 | ug/kg wet | 1.98 | | 68.1 | | | |
| 2,4-Dichlorophenol | 4.18 | J | 4.96 | ug/kg wet | 3.97 | | 105 | | | |
| 2,4-Dimethylphenol | 3.92 | J | 4.96 | ug/kg wet | 3.97 | | 98.8 | | | |
| 2,4-Dinitrophenol | <4.96 | J1, U | 4.96 | ug/kg wet | 9.92 | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 1.43 | J | 2.48 | ug/kg wet | 1.98 | | 72.1 | | | |
| 2-Chloronaphthalene | 1.59 | J | 2.48 | ug/kg wet | 1.98 | | 80.1 | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <19.8 | U | 19.8 | ug/kg wet | 3.97 | | | | | |
| 2-Nitrophenol | 3.81 | J | 4.96 | ug/kg wet | 3.97 | | 96.0 | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 1.75 | J | 2.48 | ug/kg wet | 1.98 | | 88.3 | | | |
| 4-Chloro-3-methylphenol | 3.10 | J | 4.96 | ug/kg wet | 3.97 | | 78.2 | | | |
| 4-Chlorophenyl phenylether | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| 4-Nitrophenol | 10.1 | | 2.48 | ug/kg wet | 9.92 | | 102 | | | |
| Acenaphthene | 1.58 | J | 2.48 | ug/kg wet | 1.98 | | 79.5 | | | |
| Acenaphthylene | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| Anthracene | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| Benzo(a)anthracene | 1.32 | J | 2.48 | ug/kg wet | 1.98 | | 66.4 | | | |
| Benzo(a)pyrene | 1.34 | J | 2.48 | ug/kg wet | 1.98 | | 67.8 | | | |
| benzo(b&k)fluoranthene | 2.72 | | 2.48 | ug/kg wet | 3.97 | | 68.5 | | | |
| Benzo(g,h,i)perylene | 1.56 | J | 2.48 | ug/kg wet | 1.98 | | 78.6 | | | |
| bis(2-Chloroethoxy)methane | 1.78 | J | 2.48 | ug/kg wet | 1.98 | | 89.5 | | | |
| Bis(2-ethylhexyl )phthalate | 2.62 | | 2.48 | ug/kg wet | 1.98 | | 132 | | | |
| Butyl benzyl phthalate | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| Chrysene | 1.59 | J | 2.48 | ug/kg wet | 1.98 | | 80.2 | | | |
| Dibenzo(a,h)anthracene | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| Diethyl phthalate | 1.31 | J | 2.48 | ug/kg wet | 1.98 | | 65.9 | | | |
| Dimethyl phthalate | 1.46 | J | 2.48 | ug/kg wet | 1.98 | | 73.3 | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MRL Check (BFC1525-MRL2)** | | | | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | |
| Di-n-butyl phthalate | 7.17 | | 2.48 | ug/kg wet | 1.98 | | 362 | | | |
| Di-n-octyl phthalate | 1.31 | J | 2.48 | ug/kg wet | 1.98 | | 66.2 | | | |
| Fluoranthene | 1.26 | J | 2.48 | ug/kg wet | 1.98 | | 63.6 | | | |
| Fluorene | 1.24 | J | 2.48 | ug/kg wet | 1.98 | | | | | |
| Hexachlorobenzene | 1.31 | J | 2.48 | ug/kg wet | 1.98 | | 65.8 | | | |
| Hexachloroethane | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| Indeno(1,2,3-cd) pyrene | 1.26 | J | 2.48 | ug/kg wet | 1.98 | | 63.5 | | | |
| Isophorone | 1.65 | J | 2.48 | ug/kg wet | 1.98 | | 83.0 | | | |
| Naphthalene | 1.39 | J | 2.48 | ug/kg wet | 1.98 | | 70.1 | | | |
| Nitrobenzene | 1.53 | J | 2.48 | ug/kg wet | 1.98 | | 77.2 | | | |
| n-Nitrosodi-n-propylamine | 2.18 | J | 2.48 | ug/kg wet | 1.98 | | 110 | | | |
| n-Nitrosodiphenylamine | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| Pentachlorophenol | <4.96 | U | 4.96 | ug/kg wet | 3.97 | | | | | |
| Phenanthrene | 1.51 | J | 2.48 | ug/kg wet | 1.98 | | 76.1 | | | |
| Phenol, Total | 4.74 | J | 4.96 | ug/kg wet | 3.97 | | 120 | | | |
| Pyrene | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.5* | *ug/kg wet* | *19.8* | | *68.2* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *32.7* | *ug/kg wet* | *39.7* | | *82.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *27.0* | *ug/kg wet* | *39.7* | | *68.0* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.3* | *ug/kg wet* | *19.8* | | *87.2* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *40.4* | *ug/kg wet* | *39.7* | | *102* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.3* | *ug/kg wet* | *19.8* | | *76.9* | *60-140* | | |
| **MRL Check (BFC1525-MRL3)** | | | | | Prepared: 3/10/2022 Analyzed: 4/16/2022 | | | | | |
| 2,4,6-Trichlorophenol | 3.73 | J | 4.96 | ug/kg wet | 3.97 | | 94.0 | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 1.44 | J | 2.48 | ug/kg wet | 1.98 | | 72.4 | | | |
| 2-Chlorophenol | 3.06 | J | 4.96 | ug/kg wet | 3.97 | | 77.1 | | | |
| bis(2-Chloroethyl) ether | 1.34 | J | 2.48 | ug/kg wet | 1.98 | | 67.6 | | | |
| Hexachlorobutadiene | <2.48 | U | 2.48 | ug/kg wet | 1.98 | | | | | |
| Hexachlorocyclopentadiene | <2.48 | J1, U | 2.48 | ug/kg wet | 1.98 | | | | | |
| n-Nitrosodimethylamine | <2.48 | U | 2.48 | ug/kg wet | 9.92 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.7* | *ug/kg wet* | *19.8* | | *74.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *40.2* | *ug/kg wet* | *39.7* | | *101* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *29.0* | *ug/kg wet* | *39.7* | | *73.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.7* | *ug/kg wet* | *19.8* | | *89.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *37.3* | *ug/kg wet* | *39.7* | | *94.0* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *17.6* | *ug/kg wet* | *19.8* | | *88.7* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC1525-MS1)** | **Source: 22B3342-11RE1** | | | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 21.1 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 51.8 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 15.4 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 37.8 | 60-140 | | |
| 1,2-Diphenylhydrazine | 27.2 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 66.9 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 15.0 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 36.8 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 14.9 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 36.7 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 23.0 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 56.5 | 60-140 | | |
| 2,4-Dichlorophenol | 68.9 | | 10.2 | ug/kg dry | 81.4 | <10.2 | 84.6 | 60-140 | | |
| 2,4-Dimethylphenol | 77.8 | | 10.2 | ug/kg dry | 81.4 | <10.2 | 95.6 | 60-140 | | |
| 2,4-Dinitrophenol | 22.4 | | 10.2 | ug/kg dry | 203 | <10.2 | 11.0 | 10-51.3 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 26.1 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 64.1 | 60-140 | | |
| 2-Chloronaphthalene | 29.9 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 73.5 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 24.8 | J1, J | 40.7 | ug/kg dry | 81.4 | <40.7 | 30.4 | 60-140 | | |
| 2-Nitrophenol | 64.7 | | 10.2 | ug/kg dry | 81.4 | <10.2 | 79.5 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 18.6 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 45.7 | 60-140 | | |
| 4-Chloro-3-methylphenol | 80.0 | | 10.2 | ug/kg dry | 81.4 | <10.2 | 98.3 | 60-140 | | |
| 4-Chlorophenyl phenylether | 20.9 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 51.5 | 60-140 | | |
| 4-Nitrophenol | 149 | | 5.09 | ug/kg dry | 203 | <5.09 | 73.4 | 60-140 | | |
| Acenaphthene | 27.2 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 66.7 | 60-140 | | |
| Acenaphthylene | 24.8 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 60.9 | 60-140 | | |
| Anthracene | 21.6 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 53.0 | 60-140 | | |
| Benzo(a)anthracene | 15.8 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 38.9 | 60-140 | | |
| Benzo(a)pyrene | 14.4 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 35.4 | 60-140 | | |
| benzo(b&k)fluoranthene | 28.5 | J1 | 5.09 | ug/kg dry | 81.4 | <5.09 | 35.0 | 60-140 | | |
| Benzo(g,h,i)perylene | 12.2 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 29.9 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 27.9 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 68.6 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 20.3 | J1 | 5.09 | ug/kg dry | 40.7 | 4.83 | 38.0 | 60-140 | | |
| Butyl benzyl phthalate | 19.5 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 48.0 | 60-140 | | |
| Chrysene | 19.0 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 46.6 | 60-140 | | |
| Dibenzo(a,h)anthracene | 11.5 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 28.2 | 60-140 | | |
| Diethyl phthalate | 27.5 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 67.7 | 60-140 | | |
| Dimethyl phthalate | 26.4 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 64.9 | 60-140 | | |
| Di-n-butyl phthalate | 38.8 | J1 | 5.09 | ug/kg dry | 40.7 | 20.1 | 46.0 | 60-140 | | |
| Di-n-octyl phthalate | 15.0 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 36.8 | 60-140 | | |
| Fluoranthene | 16.4 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 40.2 | 60-140 | | |
| Fluorene | 26.1 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 64.1 | 60-140 | | |
| Hexachlorobenzene | 20.2 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 49.7 | 60-140 | | |
| Hexachloroethane | 13.3 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 32.7 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 12.0 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 29.6 | 60-140 | | |
| Isophorone | 27.0 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 66.2 | 60-140 | | |
| Naphthalene | 26.2 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 64.4 | 60-140 | | |
| Nitrobenzene | 28.3 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 69.4 | 60-140 | | |
| n-Nitrosodi-n-propylamine | 27.1 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 66.5 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC1525-MS1)** | **Source: 22B3342-11RE1** | | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | | |
| n-Nitrosodiphenylamine | 16.0 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 39.2 | 60-140 | | |
| Pentachlorophenol | 61.3 | | 10.2 | ug/kg dry | 81.4 | <10.2 | 75.3 | 60-140 | | |
| Phenanthrene | 22.2 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 54.6 | 60-140 | | |
| Phenol, Total | 75.0 | | 10.2 | ug/kg dry | 81.4 | 5.35 | 85.6 | 60-140 | | |
| Pyrene | 15.9 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 39.0 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *27.2* | *ug/kg dry* | *40.7* | | *66.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *59.8* | *ug/kg dry* | *81.4* | | *73.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *64.5* | *ug/kg dry* | *81.4* | | *79.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *29.4* | *ug/kg dry* | *40.7* | | *72.2* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *82.8* | *ug/kg dry* | *81.4* | | *102* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *14.7* | *ug/kg dry* | *40.7* | | *36.1* | *60-140* | | |
| **Matrix Spike (BFC1525-MS2)** | **Source: 22B3342-11RE2** | | | Prepared: 3/10/2022 Analyzed: 4/16/2022 | | | | | | |
| 2,4,6-Trichlorophenol | 71.5 | | 10.2 | ug/kg dry | 81.4 | <10.2 | 87.8 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 25.2 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 62.0 | 60-140 | | |
| 2-Chlorophenol | 59.5 | | 10.2 | ug/kg dry | 81.4 | <10.2 | 73.2 | 60-140 | | |
| bis(2-Chloroethyl) ether | 30.1 | | 5.09 | ug/kg dry | 40.7 | <5.09 | 74.0 | 60-140 | | |
| Hexachlorobutadiene | 16.5 | J1 | 5.09 | ug/kg dry | 40.7 | <5.09 | 40.5 | 60-140 | | |
| Hexachlorocyclopentadiene | 4.80 | J1, J | 5.09 | ug/kg dry | 40.7 | <5.09 | 11.8 | 60-140 | | |
| n-Nitrosodimethylamine | 131 | | 5.09 | ug/kg dry | 203 | <5.09 | 64.4 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *26.6* | *ug/kg dry* | *40.7* | | *65.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *74.6* | *ug/kg dry* | *81.4* | | *91.7* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *58.6* | *ug/kg dry* | *81.4* | | *72.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *33.4* | *ug/kg dry* | *40.7* | | *82.0* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *76.2* | *ug/kg dry* | *81.4* | | *93.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *18.8* | *ug/kg dry* | *40.7* | | *46.2* | *60-140* | | |
| **Matrix Spike Dup (BFC1525-MSD1)** | **Source: 22B3342-11RE1** | | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | | |
| 1,2,4-Trichlorobenzene | 18.9 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 45.5 | 60-140 | 10.9 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 19.1 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 45.9 | 60-140 | 21.4 | 40 |
| 1,2-Diphenylhydrazine | 24.3 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 58.4 | 60-140 | 11.4 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 16.8 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 40.4 | 60-140 | 11.5 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 14.9 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 35.9 | 60-140 | 0.0349 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 23.0 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 55.3 | 60-140 | 0.0358 | 40 |
| 2,4-Dichlorophenol | 62.2 | | 10.4 | ug/kg dry | 83.1 | <10.4 | 74.9 | 60-140 | 10.2 | 40 |
| 2,4-Dimethylphenol | 77.9 | | 10.4 | ug/kg dry | 83.1 | <10.4 | 93.7 | 60-140 | 0.113 | 40 |
| 2,4-Dinitrophenol | 22.5 | | 10.4 | ug/kg dry | 208 | <10.4 | 10.8 | 10-51.3 | 0.500 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 26.9 | | 5.19 | ug/kg dry | 41.5 | <5.19 | 64.7 | 60-140 | 2.93 | 40 |
| 2-Chloronaphthalene | 29.9 | | 5.19 | ug/kg dry | 41.5 | <5.19 | 71.9 | 60-140 | 0.0566 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 24.7 | J1, J | 41.5 | ug/kg dry | 83.1 | <41.5 | 29.8 | 60-140 | 0.0489 | 40 |
| 2-Nitrophenol | 69.1 | | 10.4 | ug/kg dry | 83.1 | <10.4 | 83.2 | 60-140 | 6.54 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1525-MSD1)** | **Source: 22B3342-11RE1** | | Prepared: 3/10/2022 Analyzed: 4/12/2022 | | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 20.0 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 48.2 | 60-140 | 7.39 | 40 |
| 4-Chloro-3-methylphenol | 76.9 | | 10.4 | ug/kg dry | 83.1 | <10.4 | 92.5 | 60-140 | 3.99 | 40 |
| 4-Chlorophenyl phenylether | 22.4 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 54.0 | 60-140 | 6.93 | 40 |
| 4-Nitrophenol | 149 | | 5.19 | ug/kg dry | 208 | <5.19 | 71.8 | 60-140 | 0.178 | 40 |
| Acenaphthene | 24.6 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 59.2 | 60-140 | 9.99 | 40 |
| Acenaphthylene | 24.0 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 57.7 | 60-140 | 3.33 | 40 |
| Anthracene | 19.5 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 46.9 | 60-140 | 10.0 | 40 |
| Benzo(a)anthracene | 19.2 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 46.2 | 60-140 | 19.3 | 40 |
| Benzo(a)pyrene | 15.7 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 37.7 | 60-140 | 8.48 | 40 |
| benzo(b&k)fluoranthene | 30.9 | J1 | 5.19 | ug/kg dry | 83.1 | <5.19 | 37.2 | 60-140 | 8.13 | 40 |
| Benzo(g,h,i)perylene | 12.3 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 29.6 | 60-140 | 0.807 | 40 |
| bis(2-Chloroethoxy)methane | 26.2 | | 5.19 | ug/kg dry | 41.5 | <5.19 | 63.1 | 60-140 | 6.34 | 40 |
| Bis(2-ethylhexyl )phthalate | 21.3 | J1 | 5.19 | ug/kg dry | 41.5 | 4.83 | 39.6 | 60-140 | 4.74 | 40 |
| Butyl benzyl phthalate | 18.3 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 44.0 | 60-140 | 6.77 | 40 |
| Chrysene | 20.8 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 50.0 | 60-140 | 8.94 | 40 |
| Dibenzo(a,h)anthracene | 11.8 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 28.3 | 60-140 | 2.60 | 40 |
| Diethyl phthalate | 27.8 | | 5.19 | ug/kg dry | 41.5 | <5.19 | 67.0 | 60-140 | 1.08 | 40 |
| Dimethyl phthalate | 26.8 | | 5.19 | ug/kg dry | 41.5 | <5.19 | 64.4 | 60-140 | 1.31 | 40 |
| Di-n-butyl phthalate | 42.4 | J1 | 5.19 | ug/kg dry | 41.5 | 20.1 | 53.7 | 60-140 | 8.92 | 40 |
| Di-n-octyl phthalate | 14.1 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 33.9 | 60-140 | 6.12 | 40 |
| Fluoranthene | 16.2 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 39.0 | 60-140 | 1.02 | 40 |
| Fluorene | 26.3 | | 5.19 | ug/kg dry | 41.5 | <5.19 | 63.4 | 60-140 | 0.928 | 40 |
| Hexachlorobenzene | 19.4 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 46.6 | 60-140 | 4.37 | 40 |
| Hexachloroethane | 14.1 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 34.0 | 60-140 | 5.77 | 40 |
| Indeno(1,2,3-cd) pyrene | 12.0 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 28.9 | 60-140 | 0.530 | 40 |
| Isophorone | 24.0 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 57.9 | 60-140 | 11.4 | 40 |
| Naphthalene | 24.0 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 57.8 | 60-140 | 8.74 | 40 |
| Nitrobenzene | 28.2 | | 5.19 | ug/kg dry | 41.5 | <5.19 | 68.0 | 60-140 | 0.0270 | 40 |
| n-Nitrosodi-n-propylamine | 25.0 | | 5.19 | ug/kg dry | 41.5 | <5.19 | 60.1 | 60-140 | 8.07 | 40 |
| n-Nitrosodiphenylamine | 15.5 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 37.2 | 60-140 | 3.28 | 40 |
| Pentachlorophenol | 57.8 | | 10.4 | ug/kg dry | 83.1 | <10.4 | 69.6 | 60-140 | 5.79 | 40 |
| Phenanthrene | 22.3 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 53.7 | 60-140 | 0.381 | 40 |
| Phenol, Total | 79.2 | | 10.4 | ug/kg dry | 83.1 | 5.35 | 88.9 | 60-140 | 5.42 | 40 |
| Pyrene | 15.8 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 38.1 | 60-140 | 0.239 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *25.5* | *ug/kg dry* | *41.5* | | *61.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *64.1* | *ug/kg dry* | *83.1* | | *77.2* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *63.8* | *ug/kg dry* | *83.1* | | *76.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *30.3* | *ug/kg dry* | *41.5* | | *72.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *85.3* | *ug/kg dry* | *83.1* | | *103* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *15.4* | *ug/kg dry* | *41.5* | | *37.1* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1525 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1525-MSD2)** | | **Source: 22B3342-11RE2** | | | Prepared: 3/10/2022 Analyzed: 4/16/2022 | | | | | |
| 2,4,6-Trichlorophenol | 73.2 | | 10.4 | ug/kg dry | 83.1 | <10.4 | 88.1 | 60-140 | 2.36 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 25.9 | | 5.19 | ug/kg dry | 41.5 | <5.19 | 62.4 | 60-140 | 2.57 | 40 |
| 2-Chlorophenol | 59.1 | | 10.4 | ug/kg dry | 83.1 | <10.4 | 71.1 | 60-140 | 0.834 | 40 |
| bis(2-Chloroethyl) ether | 28.6 | | 5.19 | ug/kg dry | 41.5 | <5.19 | 68.7 | 60-140 | 5.33 | 40 |
| Hexachlorobutadiene | 15.9 | J1 | 5.19 | ug/kg dry | 41.5 | <5.19 | 38.2 | 60-140 | 3.64 | 40 |
| Hexachlorocyclopentadiene | 3.85 | J1, J | 5.19 | ug/kg dry | 41.5 | <5.19 | 9.26 | 60-140 | 22.1 | 40 |
| n-Nitrosodimethylamine | 106 | J1 | 5.19 | ug/kg dry | 208 | <5.19 | 51.1 | 60-140 | 20.9 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *26.4* | *ug/kg dry* | *41.5* | | *63.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *74.5* | *ug/kg dry* | *83.1* | | *89.7* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *60.9* | *ug/kg dry* | *83.1* | | *73.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *33.2* | *ug/kg dry* | *41.5* | | *79.8* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *68.7* | *ug/kg dry* | *83.1* | | *82.7* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *19.8* | *ug/kg dry* | *41.5* | | *47.6* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2812 - SW-3511*** | | | | | | | | | | |
| **Blank (BFB2812-BLK1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDE | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDT | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Aldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| delta-BHC | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Dieldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan I | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan II | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin aldehyde | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin ketone | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-Chlordane | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Heptachlor | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Methoxychlor | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.133* | *ug/L* | *0.120* | | *111* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.132* | *ug/L* | *0.120* | | *110* | *60-140* | | |
| **LCS (BFB2812-BS1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | 0.112 | | 0.00600 | ug/L | 0.120 | | 93.4 | 60-140 | | |
| 4,4'-DDE | 0.104 | | 0.00600 | ug/L | 0.120 | | 86.9 | 60-140 | | |
| 4,4'-DDT | 0.110 | | 0.00600 | ug/L | 0.120 | | 91.3 | 60-140 | | |
| Aldrin | 0.105 | | 0.00600 | ug/L | 0.120 | | 87.8 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.123 | | 0.00600 | ug/L | 0.120 | | 103 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.118 | | 0.00600 | ug/L | 0.120 | | 97.9 | 60-140 | | |
| Chlordane (tech.) | 0.410 | | 0.00600 | ug/L | 0.480 | | 85.3 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.103 | | 0.00600 | ug/L | 0.120 | | 86.2 | 60-140 | | |
| delta-BHC | 0.108 | | 0.00600 | ug/L | 0.120 | | 90.3 | 60-140 | | |
| Dieldrin | 0.110 | | 0.00600 | ug/L | 0.120 | | 91.8 | 60-140 | | |
| Endosulfan I | 0.0958 | | 0.00600 | ug/L | 0.120 | | 79.9 | 60-140 | | |
| Endosulfan II | 0.101 | | 0.00600 | ug/L | 0.120 | | 83.9 | 60-140 | | |
| Endosulfan sulfate | 0.113 | | 0.00600 | ug/L | 0.120 | | 93.9 | 60-140 | | |
| Endrin | 0.104 | | 0.00600 | ug/L | 0.120 | | 86.5 | 60-140 | | |
| Endrin aldehyde | 0.120 | | 0.00600 | ug/L | 0.120 | | 100 | 60-140 | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2812 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFB2812-BS1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| Endrin ketone | 0.112 | | 0.00600 | ug/L | 0.120 | | 93.4 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.120 | | 0.00600 | ug/L | 0.120 | | 99.9 | 60-140 | | |
| gamma-Chlordane | 0.0992 | | 0.00600 | ug/L | 0.120 | | 82.6 | 60-140 | | |
| Heptachlor | 0.106 | | 0.00600 | ug/L | 0.120 | | 88.3 | 60-140 | | |
| Heptachlor epoxide | 0.101 | | 0.00600 | ug/L | 0.120 | | 84.1 | 60-140 | | |
| Methoxychlor | 0.121 | | 0.00600 | ug/L | 0.120 | | 100 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <0.300 | U | 0.300 | ug/L | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.127* | *ug/L* | *0.120* | | *106* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.135* | *ug/L* | *0.120* | | *113* | *60-140* | | |
| **TOX LCS (BFB2812-BS2)** | | | | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| 4,4'-DDE | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| 4,4'-DDT | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Aldrin | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Chlordane (tech.) | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| delta-BHC | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Dieldrin | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Endosulfan I | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Endosulfan II | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Endosulfan sulfate | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Endrin | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Endrin aldehyde | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Endrin ketone | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| gamma-Chlordane | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Heptachlor | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Heptachlor epoxide | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Methoxychlor | <0.00590 | U | 0.00590 | ug/L | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 1.20 | | 0.295 | ug/L | 1.18 | | 102 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.127* | *ug/L* | *0.118* | | *108* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.118* | *ug/L* | *0.118* | | *99.8* | *60-140* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2812 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB2812-BSD1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | 0.125 | | 0.00597 | ug/L | 0.119 | | 105 | 60-140 | 10.8 | 40 |
| 4,4'-DDE | 0.118 | | 0.00597 | ug/L | 0.119 | | 98.9 | 60-140 | 12.4 | 40 |
| 4,4'-DDT | 0.126 | | 0.00597 | ug/L | 0.119 | | 105 | 60-140 | 13.9 | 40 |
| Aldrin | 0.116 | | 0.00597 | ug/L | 0.119 | | 97.5 | 60-140 | 9.96 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.136 | | 0.00597 | ug/L | 0.119 | | 114 | 60-140 | 9.74 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.129 | | 0.00597 | ug/L | 0.119 | | 108 | 60-140 | 9.50 | 40 |
| Chlordane (tech.) | 0.453 | | 0.00597 | ug/L | 0.478 | | 94.8 | 60-140 | 9.99 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.114 | | 0.00597 | ug/L | 0.119 | | 95.1 | 60-140 | 9.35 | 40 |
| delta-BHC | 0.122 | | 0.00597 | ug/L | 0.119 | | 102 | 60-140 | 11.5 | 40 |
| Dieldrin | 0.120 | | 0.00597 | ug/L | 0.119 | | 100 | 60-140 | 8.36 | 40 |
| Endosulfan I | 0.105 | | 0.00597 | ug/L | 0.119 | | 88.0 | 60-140 | 9.15 | 40 |
| Endosulfan II | 0.110 | | 0.00597 | ug/L | 0.119 | | 92.4 | 60-140 | 9.09 | 40 |
| Endosulfan sulfate | 0.127 | | 0.00597 | ug/L | 0.119 | | 106 | 60-140 | 11.5 | 40 |
| Endrin | 0.114 | | 0.00597 | ug/L | 0.119 | | 95.3 | 60-140 | 9.15 | 40 |
| Endrin aldehyde | 0.133 | | 0.00597 | ug/L | 0.119 | | 112 | 60-140 | 10.5 | 40 |
| Endrin ketone | 0.124 | | 0.00597 | ug/L | 0.119 | | 104 | 60-140 | 10.4 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.133 | | 0.00597 | ug/L | 0.119 | | 111 | 60-140 | 10.3 | 40 |
| gamma-Chlordane | 0.111 | | 0.00597 | ug/L | 0.119 | | 93.1 | 60-140 | 11.4 | 40 |
| Heptachlor | 0.116 | | 0.00597 | ug/L | 0.119 | | 96.8 | 60-140 | 8.62 | 40 |
| Heptachlor epoxide | 0.112 | | 0.00597 | ug/L | 0.119 | | 94.1 | 60-140 | 10.7 | 40 |
| Methoxychlor | 0.134 | | 0.00597 | ug/L | 0.119 | | 113 | 60-140 | 10.9 | 40 |
| Toxaphene (Chlorinated Camphene) | <0.298 | U | 0.298 | ug/L | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.126* | *ug/L* | *0.119* | | *106* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.134* | *ug/L* | *0.119* | | *112* | *60-140* | | |
| **TOX LCS Dup (BFB2812-BSD2)** | | | | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Aldrin | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| delta-BHC | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Dieldrin | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Endosulfan I | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Endosulfan II | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Endrin | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Endrin aldehyde | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2812 - SW-3511 (Continued)*** | | | | | | | | | | |
| **TOX LCS Dup (BFB2812-BSD2)** | | | | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| Endrin ketone | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Heptachlor | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Methoxychlor | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 1.34 | | 0.298 | ug/L | 1.19 | | 113 | 60-140 | 10.9 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.121* | *ug/L* | *0.119* | | *101* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.115* | *ug/L* | *0.119* | | *96.4* | *60-140* | | |
| **MRL Check (BFB2812-MRL1)** | | | | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | 0.0109 | | 0.00597 | ug/L | 0.0119 | | 91.7 | 50-150 | | |
| 4,4'-DDE | 0.0133 | | 0.00597 | ug/L | 0.0119 | | 111 | 50-150 | | |
| 4,4'-DDT | 0.0122 | | 0.00597 | ug/L | 0.0119 | | 103 | 50-150 | | |
| Aldrin | 0.0127 | | 0.00597 | ug/L | 0.0119 | | 107 | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0148 | | 0.00597 | ug/L | 0.0119 | | 124 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0142 | | 0.00597 | ug/L | 0.0119 | | 119 | 50-150 | | |
| Chlordane (tech.) | 0.0543 | | 0.00597 | ug/L | 0.0478 | | 114 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0144 | | 0.00597 | ug/L | 0.0119 | | 120 | 50-150 | | |
| delta-BHC | 0.0119 | | 0.00597 | ug/L | 0.0119 | | 99.8 | 50-150 | | |
| Dieldrin | 0.0131 | | 0.00597 | ug/L | 0.0119 | | 110 | 50-150 | | |
| Endosulfan I | 0.00952 | | 0.00597 | ug/L | 0.0119 | | 79.8 | 50-150 | | |
| Endosulfan II | 0.0110 | | 0.00597 | ug/L | 0.0119 | | 92.1 | 50-150 | | |
| Endosulfan sulfate | 0.0148 | | 0.00597 | ug/L | 0.0119 | | 124 | 50-150 | | |
| Endrin | 0.0127 | | 0.00597 | ug/L | 0.0119 | | 106 | 50-150 | | |
| Endrin aldehyde | 0.0165 | | 0.00597 | ug/L | 0.0119 | | 138 | 50-150 | | |
| Endrin ketone | 0.0153 | | 0.00597 | ug/L | 0.0119 | | 128 | 50-150 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.0152 | | 0.00597 | ug/L | 0.0119 | | 127 | 50-150 | | |
| gamma-Chlordane | 0.0121 | | 0.00597 | ug/L | 0.0119 | | 102 | 50-150 | | |
| Heptachlor | 0.0152 | | 0.00597 | ug/L | 0.0119 | | 127 | 50-150 | | |
| Heptachlor epoxide | 0.0126 | | 0.00597 | ug/L | 0.0119 | | 106 | 50-150 | | |
| Methoxychlor | 0.00598 | | 0.00597 | ug/L | 0.0119 | | 50.1 | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | U | 0.298 | ug/L | | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.133* | *ug/L* | *0.119* | | *112* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.136* | *ug/L* | *0.119* | | *114* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2812 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MRL TOX (BFB2812-MRL2)** | | | | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| 4,4'-DDE | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| 4,4'-DDT | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Aldrin | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Chlordane (tech.) | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| delta-BHC | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Dieldrin | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endosulfan I | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endosulfan II | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endosulfan sulfate | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endrin | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endrin aldehyde | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endrin ketone | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| gamma-Chlordane | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Heptachlor | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Heptachlor epoxide | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Methoxychlor | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | 0.333 | | 0.298 | ug/L | 0.298 | | 112 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.122* | *ug/L* | *0.119* | | *102* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.116* | *ug/L* | *0.119* | | *97.4* | *60-140* | | |
| **Matrix Spike (BFB2812-MS1)** | | | **Source: 22A3944-07** | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | 0.151 | | 0.00598 | ug/L | 0.120 | <0.00598 | 126 | 60-140 | | |
| 4,4'-DDE | 0.131 | | 0.00598 | ug/L | 0.120 | <0.00598 | 109 | 60-140 | | |
| 4,4'-DDT | 0.138 | | 0.00598 | ug/L | 0.120 | <0.00598 | 115 | 60-140 | | |
| Aldrin | 0.133 | | 0.00598 | ug/L | 0.120 | <0.00598 | 111 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.156 | | 0.00598 | ug/L | 0.120 | <0.00598 | 131 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.150 | | 0.00598 | ug/L | 0.120 | <0.00598 | 125 | 60-140 | | |
| Chlordane (tech.) | 0.518 | | 0.00598 | ug/L | 0.479 | <0.00598 | 108 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.128 | | 0.00598 | ug/L | 0.120 | <0.00598 | 107 | 60-140 | | |
| delta-BHC | 0.145 | | 0.00598 | ug/L | 0.120 | <0.00598 | 121 | 60-140 | | |
| Dieldrin | 0.140 | | 0.00598 | ug/L | 0.120 | <0.00598 | 117 | 60-140 | | |
| Endosulfan I | 0.118 | | 0.00598 | ug/L | 0.120 | <0.00598 | 98.8 | 60-140 | | |
| Endosulfan II | 0.124 | | 0.00598 | ug/L | 0.120 | <0.00598 | 104 | 60-140 | | |
| Endosulfan sulfate | 0.142 | | 0.00598 | ug/L | 0.120 | <0.00598 | 119 | 60-140 | | |
| Endrin | 0.128 | | 0.00598 | ug/L | 0.120 | <0.00598 | 107 | 60-140 | | |
| Endrin aldehyde | 0.157 | | 0.00598 | ug/L | 0.120 | <0.00598 | 131 | 60-140 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2812 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB2812-MS1)** | | **Source: 22A3944-07** | | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| Endrin ketone | 0.146 | | 0.00598 | ug/L | 0.120 | <0.00598 | 122 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.153 | | 0.00598 | ug/L | 0.120 | <0.00598 | 128 | 60-140 | | |
| gamma-Chlordane | 0.131 | | 0.00598 | ug/L | 0.120 | <0.00598 | 109 | 60-140 | | |
| Heptachlor | 0.134 | | 0.00598 | ug/L | 0.120 | <0.00598 | 112 | 60-140 | | |
| Heptachlor epoxide | 0.125 | | 0.00598 | ug/L | 0.120 | <0.00598 | 105 | 60-140 | | |
| Methoxychlor | 0.147 | | 0.00598 | ug/L | 0.120 | <0.00598 | 123 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.136* | *ug/L* | *0.120* | | *114* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.138* | *ug/L* | *0.120* | | *115* | *60-140* | | |
| **Matrix Spike Dup (BFB2812-MSD1)** | | **Source: 22A3944-07** | | | Prepared: 2/21/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | 0.157 | | 0.00597 | ug/L | 0.119 | <0.00597 | 131 | 60-140 | 3.76 | 40 |
| 4,4'-DDE | 0.136 | | 0.00597 | ug/L | 0.119 | <0.00597 | 114 | 60-140 | 3.86 | 40 |
| 4,4'-DDT | 0.143 | | 0.00597 | ug/L | 0.119 | <0.00597 | 120 | 60-140 | 3.85 | 40 |
| Aldrin | 0.139 | | 0.00597 | ug/L | 0.119 | <0.00597 | 116 | 60-140 | 4.24 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.162 | | 0.00597 | ug/L | 0.119 | <0.00597 | 135 | 60-140 | 3.28 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.155 | | 0.00597 | ug/L | 0.119 | <0.00597 | 129 | 60-140 | 3.18 | 40 |
| Chlordane (tech.) | 0.532 | | 0.00597 | ug/L | 0.478 | <0.00597 | 111 | 60-140 | 2.52 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.131 | | 0.00597 | ug/L | 0.119 | <0.00597 | 110 | 60-140 | 2.43 | 40 |
| delta-BHC | 0.146 | | 0.00597 | ug/L | 0.119 | <0.00597 | 122 | 60-140 | 0.736 | 40 |
| Dieldrin | 0.142 | | 0.00597 | ug/L | 0.119 | <0.00597 | 119 | 60-140 | 1.69 | 40 |
| Endosulfan I | 0.122 | | 0.00597 | ug/L | 0.119 | <0.00597 | 103 | 60-140 | 3.57 | 40 |
| Endosulfan II | 0.129 | | 0.00597 | ug/L | 0.119 | <0.00597 | 108 | 60-140 | 4.27 | 40 |
| Endosulfan sulfate | 0.141 | | 0.00597 | ug/L | 0.119 | <0.00597 | 118 | 60-140 | 0.751 | 40 |
| Endrin | 0.135 | | 0.00597 | ug/L | 0.119 | <0.00597 | 113 | 60-140 | 4.87 | 40 |
| Endrin aldehyde | 0.159 | | 0.00597 | ug/L | 0.119 | <0.00597 | 133 | 60-140 | 1.31 | 40 |
| Endrin ketone | 0.147 | | 0.00597 | ug/L | 0.119 | <0.00597 | 123 | 60-140 | 0.762 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.158 | | 0.00597 | ug/L | 0.119 | <0.00597 | 132 | 60-140 | 3.24 | 40 |
| gamma-Chlordane | 0.132 | | 0.00597 | ug/L | 0.119 | <0.00597 | 110 | 60-140 | 0.488 | 40 |
| Heptachlor | 0.139 | | 0.00597 | ug/L | 0.119 | <0.00597 | 116 | 60-140 | 3.42 | 40 |
| Heptachlor epoxide | 0.130 | | 0.00597 | ug/L | 0.119 | <0.00597 | 109 | 60-140 | 3.76 | 40 |
| Methoxychlor | 0.154 | | 0.00597 | ug/L | 0.119 | <0.00597 | 129 | 60-140 | 4.46 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.148* | *ug/L* | *0.119* | | *124* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.138* | *ug/L* | *0.119* | | *116* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2975 - SW-3511*** | | | | | | | | | | |
| **Blank (BFB2975-BLK1)** | | | | | Prepared: 2/22/2022 Analyzed: 3/1/2022 | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.130* | *ug/L* | *0.120* | | *109* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0984* | *ug/L* | *0.120* | | *82.2* | *60-140* | | |
| **LCS (BFB2975-BS1)** | | | | | Prepared: 2/22/2022 Analyzed: 3/1/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.59 | | 0.120 | ug/L | 1.20 | | 133 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 1.50 | | 0.120 | ug/L | 1.20 | | 125 | 60-140 | | |
| PCBs, Total | 1.52 | | 0.120 | ug/L | 1.20 | | 127 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.162* | *ug/L* | *0.120* | | *135* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.159* | *ug/L* | *0.120* | | *133* | *60-140* | | |
| **LCS Dup (BFB2975-BSD1)** | | | | | Prepared: 2/22/2022 Analyzed: 3/1/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.64 | | 0.118 | ug/L | 1.18 | | 139 | 60-140 | 2.93 | 40 |
| Aroclor-1260 (PCB-1260) | 1.54 | | 0.118 | ug/L | 1.18 | | 130 | 60-140 | 3.22 | 40 |
| PCBs, Total | 1.57 | | 0.118 | ug/L | 1.18 | | 133 | 60-140 | 3.13 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.144* | *ug/L* | *0.118* | | *121* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.138* | *ug/L* | *0.118* | | *117* | *60-140* | | |
| **MDL (BFB2975-MRL1)** | | | | | Prepared: 2/22/2022 Analyzed: 3/1/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 0.563 | J1 | 0.118 | ug/L | 0.237 | | 238 | 50-150 | | |
| Aroclor-1221 (PCB-1221) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1232 (PCB-1232) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1242 (PCB-1242) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1248 (PCB-1248) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1254 (PCB-1254) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1260 (PCB-1260) | 0.465 | J1 | 0.118 | ug/L | 0.237 | | 196 | 50-150 | | |
| PCBs, Total | 0.493 | J1 | 0.118 | ug/L | 0.237 | | 208 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.141* | *ug/L* | *0.118* | | *119* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.128* | *ug/L* | *0.118* | | *109* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2975 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB2975-MS1)** | | **Source: 22A3944-07** | | | Prepared: 2/22/2022 Analyzed: 3/1/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.44 | | 0.120 | ug/L | 1.20 | <0.120 | 120 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 1.30 | | 0.120 | ug/L | 1.20 | <0.120 | 109 | 60-140 | | |
| PCBs, Total | 1.34 | | 0.120 | ug/L | 1.20 | <0.120 | 112 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.137* | *ug/L* | *0.120* | | *114* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.115* | *ug/L* | *0.120* | | *95.8* | *60-140* | | |
| **Matrix Spike Dup (BFB2975-MSD1)** | | **Source: 22A3944-07** | | | Prepared: 2/22/2022 Analyzed: 3/1/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.44 | | 0.122 | ug/L | 1.22 | <0.122 | 119 | 60-140 | 0.485 | 40 |
| Aroclor-1260 (PCB-1260) | 1.27 | | 0.122 | ug/L | 1.22 | <0.122 | 104 | 60-140 | 2.40 | 40 |
| PCBs, Total | 1.32 | | 0.122 | ug/L | 1.22 | <0.122 | 108 | 60-140 | 1.52 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.134* | *ug/L* | *0.122* | | *110* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.103* | *ug/L* | *0.122* | | *84.4* | *60-140* | | |
| ***Batch: BFB3080 - SW-3511*** | | | | | | | | | | |
| **Blank (BFB3080-BLK1)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| 4,4'-DDD | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| 4,4'-DDE | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| 4,4'-DDT | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Aldrin | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| delta-BHC | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Dieldrin | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Endosulfan I | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Endosulfan II | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Endrin | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Endrin aldehyde | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Endrin ketone | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| gamma-Chlordane | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Heptachlor | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Methoxychlor | <0.00592 | U | 0.00592 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.296 | U | 0.296 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.115* | *ug/L* | *0.118* | | *97.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.128* | *ug/L* | *0.118* | | *108* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3080 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS TOX (BFB3080-BS1)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| 4,4'-DDD | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| 4,4'-DDE | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| 4,4'-DDT | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Aldrin | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Chlordane (tech.) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| delta-BHC | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Dieldrin | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Endosulfan I | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Endosulfan II | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Endosulfan sulfate | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Endrin | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Endrin aldehyde | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Endrin ketone | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| gamma-Chlordane | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Heptachlor | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Heptachlor epoxide | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Methoxychlor | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 1.24 | | 0.298 | ug/L | 1.19 | | 104 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.111* | *ug/L* | *0.119* | | *93.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.107* | *ug/L* | *0.119* | | *90.3* | *60-140* | | |
| **LCS (BFB3080-BS2)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| 4,4'-DDD | 0.114 | | 0.00592 | ug/L | 0.118 | | 96.2 | 60-140 | | |
| 4,4'-DDE | 0.104 | | 0.00592 | ug/L | 0.118 | | 87.7 | 60-140 | | |
| 4,4'-DDT | 0.123 | | 0.00592 | ug/L | 0.118 | | 104 | 60-140 | | |
| Aldrin | 0.106 | | 0.00592 | ug/L | 0.118 | | 89.5 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.143 | | 0.00592 | ug/L | 0.118 | | 121 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.134 | | 0.00592 | ug/L | 0.118 | | 114 | 60-140 | | |
| Chlordane (tech.) | 0.431 | | 0.00592 | ug/L | 0.473 | | 90.9 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0967 | | 0.00592 | ug/L | 0.118 | | 81.7 | 60-140 | | |
| delta-BHC | 0.129 | | 0.00592 | ug/L | 0.118 | | 109 | 60-140 | | |
| Dieldrin | 0.110 | | 0.00592 | ug/L | 0.118 | | 93.1 | 60-140 | | |
| Endosulfan I | 0.0916 | | 0.00592 | ug/L | 0.118 | | 77.4 | 60-140 | | |
| Endosulfan II | 0.105 | | 0.00592 | ug/L | 0.118 | | 88.8 | 60-140 | | |
| Endosulfan sulfate | 0.122 | | 0.00592 | ug/L | 0.118 | | 103 | 60-140 | | |
| Endrin | 0.114 | | 0.00592 | ug/L | 0.118 | | 95.9 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3080 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3080-BS2)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| Endrin aldehyde | 0.125 | | 0.00592 | ug/L | 0.118 | | 105 | 60-140 | | |
| Endrin ketone | 0.132 | | 0.00592 | ug/L | 0.118 | | 112 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.136 | | 0.00592 | ug/L | 0.118 | | 115 | 60-140 | | |
| gamma-Chlordane | 0.106 | | 0.00592 | ug/L | 0.118 | | 89.8 | 60-140 | | |
| Heptachlor | 0.121 | | 0.00592 | ug/L | 0.118 | | 102 | 60-140 | | |
| Heptachlor epoxide | 0.107 | | 0.00592 | ug/L | 0.118 | | 90.0 | 60-140 | | |
| Methoxychlor | 0.124 | | 0.00592 | ug/L | 0.118 | | 104 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <0.296 | U | 0.296 | ug/L | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.121* | *ug/L* | *0.118* | | *102* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.131* | *ug/L* | *0.118* | | *110* | *60-140* | | |
| **LCS Dup TOX (BFB3080-BSD1)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Aldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 1.32 | | 0.300 | ug/L | 1.20 | | 110 | 60-140 | 6.10 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.115* | *ug/L* | *0.120* | | *95.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.124* | *ug/L* | *0.120* | | *103* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3080 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3080-BSD2)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| 4,4'-DDD | 0.109 | | 0.00597 | ug/L | 0.119 | | 91.4 | 60-140 | 4.27 | 40 |
| 4,4'-DDE | 0.0994 | | 0.00597 | ug/L | 0.119 | | 83.2 | 60-140 | 4.31 | 40 |
| 4,4'-DDT | 0.116 | | 0.00597 | ug/L | 0.119 | | 97.3 | 60-140 | 5.94 | 40 |
| Aldrin | 0.100 | | 0.00597 | ug/L | 0.119 | | 83.7 | 60-140 | 5.68 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.141 | | 0.00597 | ug/L | 0.119 | | 118 | 60-140 | 1.79 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.131 | | 0.00597 | ug/L | 0.119 | | 110 | 60-140 | 2.68 | 40 |
| Chlordane (tech.) | 0.415 | | 0.00597 | ug/L | 0.478 | | 86.9 | 60-140 | 3.63 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.0928 | | 0.00597 | ug/L | 0.119 | | 77.7 | 60-140 | 4.16 | 40 |
| delta-BHC | 0.124 | | 0.00597 | ug/L | 0.119 | | 103 | 60-140 | 4.34 | 40 |
| Dieldrin | 0.105 | | 0.00597 | ug/L | 0.119 | | 88.2 | 60-140 | 4.50 | 40 |
| Endosulfan I | 0.0888 | | 0.00597 | ug/L | 0.119 | | 74.3 | 60-140 | 3.13 | 40 |
| Endosulfan II | 0.101 | | 0.00597 | ug/L | 0.119 | | 84.7 | 60-140 | 3.78 | 40 |
| Endosulfan sulfate | 0.120 | | 0.00597 | ug/L | 0.119 | | 100 | 60-140 | 1.82 | 40 |
| Endrin | 0.111 | | 0.00597 | ug/L | 0.119 | | 93.0 | 60-140 | 2.13 | 40 |
| Endrin aldehyde | 0.120 | | 0.00597 | ug/L | 0.119 | | 101 | 60-140 | 3.60 | 40 |
| Endrin ketone | 0.127 | | 0.00597 | ug/L | 0.119 | | 106 | 60-140 | 4.32 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.133 | | 0.00597 | ug/L | 0.119 | | 111 | 60-140 | 2.26 | 40 |
| gamma-Chlordane | 0.103 | | 0.00597 | ug/L | 0.119 | | 86.2 | 60-140 | 3.17 | 40 |
| Heptachlor | 0.116 | | 0.00597 | ug/L | 0.119 | | 96.8 | 60-140 | 4.44 | 40 |
| Heptachlor epoxide | 0.104 | | 0.00597 | ug/L | 0.119 | | 86.8 | 60-140 | 2.68 | 40 |
| Methoxychlor | 0.116 | | 0.00597 | ug/L | 0.119 | | 97.3 | 60-140 | 6.20 | 40 |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.121* | *ug/L* | *0.119* | | *102* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.127* | *ug/L* | *0.119* | | *106* | *60-140* | | |
| **BFB1944-BLK1 (BFB3080-LBK1)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| 4,4'-DDD | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| 4,4'-DDE | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| 4,4'-DDT | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Aldrin | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| delta-BHC | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Dieldrin | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Endosulfan I | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Endosulfan II | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Endrin | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Endrin aldehyde | <0.00597 | U | 0.00597 | ug/L | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3080 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFB1944-BLK1 (BFB3080-LBK1)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| Endrin ketone | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| gamma-Chlordane | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Heptachlor | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Methoxychlor | <0.00597 | U | 0.00597 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | U | 0.298 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.190* | *ug/L* | *0.119* | | *159* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.116* | *ug/L* | *0.119* | | *96.8* | *60-140* | | |
| **BFB2169-BLK1 (BFB3080-LBK2)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| 4,4'-DDD | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| 4,4'-DDE | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| 4,4'-DDT | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Aldrin | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Chlordane (tech.) | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| delta-BHC | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Dieldrin | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Endosulfan I | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Endosulfan II | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Endosulfan sulfate | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Endrin | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Endrin aldehyde | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Endrin ketone | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| gamma-Chlordane | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Heptachlor | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Heptachlor epoxide | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Methoxychlor | <0.0299 | U | 0.0299 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <1.50 | U | 1.50 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.893* | *ug/L* | *0.598* | | *149* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.646* | *ug/L* | *0.598* | | *108* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3080 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL TOX (BFB3080-MRL1)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| 4,4'-DDD | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| 4,4'-DDE | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| 4,4'-DDT | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Aldrin | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Chlordane (tech.) | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| delta-BHC | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Dieldrin | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Endosulfan I | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Endosulfan II | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Endosulfan sulfate | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Endrin | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Endrin aldehyde | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Endrin ketone | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| gamma-Chlordane | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Heptachlor | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Heptachlor epoxide | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Methoxychlor | <0.00597 | U | 0.00597 | ug/L | | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | 0.346 | | 0.298 | ug/L | 0.298 | | 116 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.107* | *ug/L* | *0.119* | | *89.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.106* | *ug/L* | *0.119* | | *89.1* | *60-140* | | |
| **MDL (BFB3080-MRL2)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| 4,4'-DDD | 0.00878 | | 0.00596 | ug/L | 0.0119 | | 73.7 | 50-150 | | |
| 4,4'-DDE | 0.00925 | | 0.00596 | ug/L | 0.0119 | | 77.7 | 50-150 | | |
| 4,4'-DDT | 0.0345 | | 0.00596 | ug/L | 0.0119 | | 289 | 50-150 | | |
| Aldrin | 0.00666 | | 0.00596 | ug/L | 0.0119 | | 55.9 | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0126 | | 0.00596 | ug/L | 0.0119 | | 106 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0119 | | 0.00596 | ug/L | 0.0119 | | 100 | 50-150 | | |
| Chlordane (tech.) | 0.0372 | | 0.00596 | ug/L | 0.0477 | | 78.1 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.00889 | | 0.00596 | ug/L | 0.0119 | | 74.6 | 50-150 | | |
| delta-BHC | 0.0106 | | 0.00596 | ug/L | 0.0119 | | 89.1 | 50-150 | | |
| Dieldrin | 0.0100 | | 0.00596 | ug/L | 0.0119 | | 83.9 | 50-150 | | |
| Endosulfan I | 0.00632 | | 0.00596 | ug/L | 0.0119 | | 53.0 | 50-150 | | |
| Endosulfan II | 0.00850 | | 0.00596 | ug/L | 0.0119 | | 71.3 | 50-150 | | |
| Endosulfan sulfate | 0.0121 | | 0.00596 | ug/L | 0.0119 | | 102 | 50-150 | | |
| Endrin | 0.00922 | | 0.00596 | ug/L | 0.0119 | | 77.4 | 50-150 | | |
| Endrin aldehyde | 0.0131 | | 0.00596 | ug/L | 0.0119 | | 110 | 50-150 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3080 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL (BFB3080-MRL2)** | | | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| Endrin ketone | 0.0134 | | 0.00596 | ug/L | 0.0119 | | 112 | 50-150 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.0129 | | 0.00596 | ug/L | 0.0119 | | 108 | 50-150 | | |
| gamma-Chlordane | 0.00807 | | 0.00596 | ug/L | 0.0119 | | 67.8 | 50-150 | | |
| Heptachlor | 0.00975 | | 0.00596 | ug/L | 0.0119 | | 81.9 | 50-150 | | |
| Heptachlor epoxide | 0.0105 | | 0.00596 | ug/L | 0.0119 | | 88.2 | 50-150 | | |
| Methoxychlor | 0.0115 | | 0.00596 | ug/L | 0.0119 | | 96.8 | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | U | 0.298 | ug/L | | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.123* | *ug/L* | *0.119* | | *103* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.130* | *ug/L* | *0.119* | | *109* | *60-140* | | |
| **Matrix Spike (BFB3080-MS1)** | | **Source: 22A3944-10** | | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| 4,4'-DDD | 0.136 | | 0.00599 | ug/L | 0.120 | <0.00599 | 114 | 60-140 | | |
| 4,4'-DDE | 0.105 | | 0.00599 | ug/L | 0.120 | <0.00599 | 88.0 | 60-140 | | |
| 4,4'-DDT | 0.0860 | | 0.00599 | ug/L | 0.120 | <0.00599 | 71.8 | 60-140 | | |
| Aldrin | 0.116 | | 0.00599 | ug/L | 0.120 | <0.00599 | 97.1 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.214 | J1 | 0.00599 | ug/L | 0.120 | <0.00599 | 179 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.201 | J1 | 0.00599 | ug/L | 0.120 | <0.00599 | 167 | 60-140 | | |
| Chlordane (tech.) | 0.559 | | 0.00599 | ug/L | 0.479 | <0.00599 | 117 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.114 | | 0.00599 | ug/L | 0.120 | <0.00599 | 95.5 | 60-140 | | |
| delta-BHC | 0.197 | J1 | 0.00599 | ug/L | 0.120 | <0.00599 | 165 | 60-140 | | |
| Dieldrin | 0.156 | | 0.00599 | ug/L | 0.120 | <0.00599 | 130 | 60-140 | | |
| Endosulfan I | 0.126 | | 0.00599 | ug/L | 0.120 | <0.00599 | 105 | 60-140 | | |
| Endosulfan II | 0.156 | | 0.00599 | ug/L | 0.120 | <0.00599 | 131 | 60-140 | | |
| Endosulfan sulfate | 0.187 | J1 | 0.00599 | ug/L | 0.120 | <0.00599 | 156 | 60-140 | | |
| Endrin | 0.165 | | 0.00599 | ug/L | 0.120 | <0.00599 | 138 | 60-140 | | |
| Endrin aldehyde | 0.182 | J1 | 0.00599 | ug/L | 0.120 | <0.00599 | 152 | 60-140 | | |
| Endrin ketone | 0.198 | J1 | 0.00599 | ug/L | 0.120 | <0.00599 | 165 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.187 | J1 | 0.00599 | ug/L | 0.120 | <0.00599 | 156 | 60-140 | | |
| gamma-Chlordane | 0.130 | | 0.00599 | ug/L | 0.120 | <0.00599 | 109 | 60-140 | | |
| Heptachlor | 0.154 | | 0.00599 | ug/L | 0.120 | <0.00599 | 129 | 60-140 | | |
| Heptachlor epoxide | 0.160 | | 0.00599 | ug/L | 0.120 | <0.00599 | 133 | 60-140 | | |
| Methoxychlor | 0.0926 | | 0.00599 | ug/L | 0.120 | <0.00599 | 77.3 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.170* | *ug/L* | *0.120* | | *142* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.137* | *ug/L* | *0.120* | | *115* | *60-140* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3080 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB3080-MSD1)** | | | **Source: 22A3944-10** | | Prepared: 2/23/2022 Analyzed: 3/3/2022 | | | | | |
| 4,4'-DDD | 0.140 | | 0.00600 | ug/L | 0.120 | <0.00600 | 116 | 60-140 | 2.47 | 40 |
| 4,4'-DDE | 0.107 | | 0.00600 | ug/L | 0.120 | <0.00600 | 89.2 | 60-140 | 1.59 | 40 |
| 4,4'-DDT | 0.0859 | | 0.00600 | ug/L | 0.120 | <0.00600 | 71.6 | 60-140 | 0.136 | 40 |
| Aldrin | 0.120 | | 0.00600 | ug/L | 0.120 | <0.00600 | 100 | 60-140 | 3.35 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.230 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 192 | 60-140 | 7.31 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.213 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 178 | 60-140 | 6.14 | 40 |
| Chlordane (tech.) | 0.589 | | 0.00600 | ug/L | 0.480 | <0.00600 | 123 | 60-140 | 5.21 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.119 | | 0.00600 | ug/L | 0.120 | <0.00600 | 99.5 | 60-140 | 4.29 | 40 |
| delta-BHC | 0.211 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 176 | 60-140 | 6.59 | 40 |
| Dieldrin | 0.164 | | 0.00600 | ug/L | 0.120 | <0.00600 | 137 | 60-140 | 5.25 | 40 |
| Endosulfan I | 0.133 | | 0.00600 | ug/L | 0.120 | <0.00600 | 111 | 60-140 | 5.80 | 40 |
| Endosulfan II | 0.165 | | 0.00600 | ug/L | 0.120 | <0.00600 | 138 | 60-140 | 5.40 | 40 |
| Endosulfan sulfate | 0.196 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 163 | 60-140 | 4.82 | 40 |
| Endrin | 0.173 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 144 | 60-140 | 4.99 | 40 |
| Endrin aldehyde | 0.193 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 161 | 60-140 | 6.07 | 40 |
| Endrin ketone | 0.211 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 175 | 60-140 | 6.14 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.213 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 177 | 60-140 | 12.8 | 40 |
| gamma-Chlordane | 0.136 | | 0.00600 | ug/L | 0.120 | <0.00600 | 113 | 60-140 | 4.12 | 40 |
| Heptachlor | 0.163 | | 0.00600 | ug/L | 0.120 | <0.00600 | 136 | 60-140 | 5.45 | 40 |
| Heptachlor epoxide | 0.171 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 142 | 60-140 | 6.52 | 40 |
| Methoxychlor | 0.0966 | | 0.00600 | ug/L | 0.120 | <0.00600 | 80.5 | 60-140 | 4.25 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.188* | *ug/L* | *0.120* | | *156* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.137* | *ug/L* | *0.120* | | *114* | *60-140* | | |
| ***Batch: BFB3309 - TX 1005*** | | | | | | | | | | |
| **Blank (BFB3309-BLK1)** | | | | | Prepared: 2/24/2022 Analyzed: 2/28/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 3.13 | J | 9.00 | mg/kg wet | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *187* | *mg/kg wet* | *250* | | *74.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *245* | *mg/kg wet* | *250* | | *98.1* | *70-130* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3309 - TX 1005 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3309-BS1)** | | | | | Prepared: 2/24/2022 Analyzed: 2/28/2022 | | | | | |
| C6-C12 | 254 | | 4.50 | mg/kg wet | 250 | | 102 | 75-125 | | |
| >C12-C28 | 125 | J1 | 4.50 | mg/kg wet | 250 | | 50.1 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 367 | J1 | 9.00 | mg/kg wet | 500 | | 73.5 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *173* | *mg/kg wet* | *250* | | *69.1* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *235* | *mg/kg wet* | *250* | | *94.0* | *70-130* | | |
| **LCS Dup (BFB3309-BSD1)** | | | | | Prepared: 2/24/2022 Analyzed: 2/28/2022 | | | | | |
| C6-C12 | 243 | | 4.50 | mg/kg wet | 250 | | 97.0 | 75-125 | 4.74 | 20 |
| >C12-C28 | 142 | J1 | 4.50 | mg/kg wet | 250 | | 57.0 | 75-125 | 12.9 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 376 | | 9.00 | mg/kg wet | 500 | | 75.2 | 75-125 | 2.24 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *163* | *mg/kg wet* | *250* | | *65.3* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *247* | *mg/kg wet* | *250* | | *98.7* | *70-130* | | |
| **MRL Check (BFB3309-MRL1)** | | | | | Prepared: 2/24/2022 Analyzed: 2/28/2022 | | | | | |
| C6-C12 | 16.4 | J1 | 4.50 | mg/kg wet | 5.00 | | 327 | 50-150 | | |
| >C12-C28 | 6.04 | | 4.50 | mg/kg wet | 5.00 | | 121 | 50-150 | | |
| >C12-C35 | 6.04 | | 4.50 | mg/kg wet | | | | 50-150 | | |
| >C28-C35 | <4.50 | U | 4.50 | mg/kg wet | | | | 50-150 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 21.4 | J1 | 9.00 | mg/kg wet | 10.0 | | 214 | 50-150 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *211* | *mg/kg wet* | *250* | | *84.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *250* | *mg/kg wet* | *250* | | *100* | *70-130* | | |
| **Matrix Spike (BFB3309-MS1)** | | **Source: 22A3944-28** | | | Prepared: 2/24/2022 Analyzed: 2/28/2022 | | | | | |
| C6-C12 | 286 | | 5.17 | mg/kg dry | 287 | <5.17 | 99.4 | 75-125 | | |
| >C12-C28 | 188 | J1 | 5.17 | mg/kg dry | 287 | 1.84 | 64.6 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 464 | | 10.3 | mg/kg dry | 575 | <10.3 | 80.8 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *215* | *mg/kg dry* | *287* | | *74.8* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *289* | *mg/kg dry* | *287* | | *101* | *70-130* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3309 - TX 1005 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB3309-MSD1)** | **Source: 22A3944-28** | | | Prepared: 2/24/2022 Analyzed: 2/28/2022 | | | | | | |
| C6-C12 | 285 | | 5.17 | mg/kg dry | 287 | <5.17 | 99.1 | 75-125 | 0.355 | 20 |
| >C12-C28 | 185 | J1 | 5.17 | mg/kg dry | 287 | 1.84 | 63.8 | 75-125 | 1.33 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 460 | | 10.3 | mg/kg dry | 575 | <10.3 | 80.1 | 75-125 | 0.783 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *204* | *mg/kg dry* | *287* | | *71.2* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *290* | *mg/kg dry* | *287* | | *101* | *70-130* | | |
| ***Batch: BFB3474 - SW-3570*** | | | | | | | | | | |
| **Blank (BFB3474-BLK1)** | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | | |
| 4,4'-DDD | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| 4,4'-DDE | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| 4,4'-DDT | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Aldrin | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Chlordane (tech.) | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| delta-BHC | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Dieldrin | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Endosulfan I | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Endosulfan II | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Endosulfan sulfate | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Endrin | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Endrin aldehyde | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Endrin ketone | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| gamma-Chlordane | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Heptachlor | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Heptachlor epoxide | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Methoxychlor | <0.947 | U | 0.947 | ug/kg wet | | | | | | |
| Toxaphene (Chlorinated Camphene) | <14.2 | U | 14.2 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *6.27* | *ug/kg wet* | *5.68* | | *110* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.48* | *ug/kg wet* | *5.68* | | *114* | *60-140* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3474 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3474-BS1)** | | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| 4,4'-DDE | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| 4,4'-DDT | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Aldrin | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Chlordane (tech.) | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| delta-BHC | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Dieldrin | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Endosulfan I | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Endosulfan II | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Endosulfan sulfate | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Endrin | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Endrin aldehyde | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Endrin ketone | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| gamma-Chlordane | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Heptachlor | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Heptachlor epoxide | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Methoxychlor | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 66.4 | | 14.6 | ug/kg wet | 58.4 | | 114 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.88* | *ug/kg wet* | *5.84* | | *101* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.61* | *ug/kg wet* | *5.84* | | *113* | *60-140* | | |
| **LCS (BFB3474-BS2)** | | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | 6.28 | | 0.978 | ug/kg wet | 5.87 | | 107 | 60-140 | | |
| 4,4'-DDE | 5.60 | | 0.978 | ug/kg wet | 5.87 | | 95.3 | 60-140 | | |
| 4,4'-DDT | 5.39 | | 0.978 | ug/kg wet | 5.87 | | 91.7 | 60-140 | | |
| Aldrin | 5.16 | | 0.978 | ug/kg wet | 5.87 | | 87.8 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 5.68 | | 0.978 | ug/kg wet | 5.87 | | 96.7 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 5.54 | | 0.978 | ug/kg wet | 5.87 | | 94.3 | 60-140 | | |
| Chlordane (tech.) | 20.8 | | 0.978 | ug/kg wet | 23.5 | | 88.5 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 5.21 | | 0.978 | ug/kg wet | 5.87 | | 88.8 | 60-140 | | |
| delta-BHC | 4.73 | | 0.978 | ug/kg wet | 5.87 | | 80.6 | 60-140 | | |
| Dieldrin | 5.45 | | 0.978 | ug/kg wet | 5.87 | | 92.9 | 60-140 | | |
| Endosulfan I | 4.61 | | 0.978 | ug/kg wet | 5.87 | | 78.5 | 60-140 | | |
| Endosulfan II | 4.81 | | 0.978 | ug/kg wet | 5.87 | | 81.9 | 60-140 | | |
| Endosulfan sulfate | 5.23 | | 0.978 | ug/kg wet | 5.87 | | 89.1 | 60-140 | | |
| Endrin | 4.55 | | 0.978 | ug/kg wet | 5.87 | | 77.6 | 60-140 | | |
| Endrin aldehyde | 4.72 | | 0.978 | ug/kg wet | 5.87 | | 80.4 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3474 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3474-BS2)** | | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | |
| Endrin ketone | 5.34 | | 0.978 | ug/kg wet | 5.87 | | 90.9 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 5.41 | | 0.978 | ug/kg wet | 5.87 | | 92.2 | 60-140 | | |
| gamma-Chlordane | 5.33 | | 0.978 | ug/kg wet | 5.87 | | 90.8 | 60-140 | | |
| Heptachlor | 5.02 | | 0.978 | ug/kg wet | 5.87 | | 85.4 | 60-140 | | |
| Heptachlor epoxide | 5.22 | | 0.978 | ug/kg wet | 5.87 | | 89.0 | 60-140 | | |
| Methoxychlor | 5.29 | | 0.978 | ug/kg wet | 5.87 | | 90.1 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <14.7 | U | 14.7 | ug/kg wet | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.33* | *ug/kg wet* | *5.87* | | *90.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.47* | *ug/kg wet* | *5.87* | | *110* | *60-140* | | |
| **LCS Dup (BFB3474-BSD1)** | | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Aldrin | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| delta-BHC | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Dieldrin | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Endosulfan I | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Endosulfan II | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Endrin | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Endrin aldehyde | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Endrin ketone | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Heptachlor | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Methoxychlor | <0.973 | U | 0.973 | ug/kg wet | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 72.2 | | 14.6 | ug/kg wet | 58.4 | | 124 | 60-140 | 8.34 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *6.38* | *ug/kg wet* | *5.84* | | *109* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *7.12* | *ug/kg wet* | *5.84* | | *122* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3474 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3474-BSD2)** | | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | 6.20 | | 0.978 | ug/kg wet | 5.87 | | 106 | 60-140 | 1.14 | 40 |
| 4,4'-DDE | 5.64 | | 0.978 | ug/kg wet | 5.87 | | 96.1 | 60-140 | 0.794 | 40 |
| 4,4'-DDT | 5.34 | | 0.978 | ug/kg wet | 5.87 | | 90.9 | 60-140 | 0.936 | 40 |
| Aldrin | 5.25 | | 0.978 | ug/kg wet | 5.87 | | 89.3 | 60-140 | 1.73 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 5.77 | | 0.978 | ug/kg wet | 5.87 | | 98.2 | 60-140 | 1.55 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 5.62 | | 0.978 | ug/kg wet | 5.87 | | 95.7 | 60-140 | 1.43 | 40 |
| Chlordane (tech.) | 21.1 | | 0.978 | ug/kg wet | 23.5 | | 89.8 | 60-140 | 1.46 | 40 |
| cis-Chlordane (alpha-Chlordane) | 5.29 | | 0.978 | ug/kg wet | 5.87 | | 90.1 | 60-140 | 1.49 | 40 |
| delta-BHC | 4.72 | | 0.978 | ug/kg wet | 5.87 | | 80.4 | 60-140 | 0.217 | 40 |
| Dieldrin | 5.39 | | 0.978 | ug/kg wet | 5.87 | | 91.9 | 60-140 | 1.09 | 40 |
| Endosulfan I | 4.73 | | 0.978 | ug/kg wet | 5.87 | | 80.5 | 60-140 | 2.46 | 40 |
| Endosulfan II | 4.87 | | 0.978 | ug/kg wet | 5.87 | | 83.0 | 60-140 | 1.29 | 40 |
| Endosulfan sulfate | 5.20 | | 0.978 | ug/kg wet | 5.87 | | 88.6 | 60-140 | 0.529 | 40 |
| Endrin | 4.53 | | 0.978 | ug/kg wet | 5.87 | | 77.1 | 60-140 | 0.537 | 40 |
| Endrin aldehyde | 4.76 | | 0.978 | ug/kg wet | 5.87 | | 81.1 | 60-140 | 0.786 | 40 |
| Endrin ketone | 5.38 | | 0.978 | ug/kg wet | 5.87 | | 91.6 | 60-140 | 0.668 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 5.49 | | 0.978 | ug/kg wet | 5.87 | | 93.6 | 60-140 | 1.47 | 40 |
| gamma-Chlordane | 5.47 | | 0.978 | ug/kg wet | 5.87 | | 93.2 | 60-140 | 2.64 | 40 |
| Heptachlor | 5.03 | | 0.978 | ug/kg wet | 5.87 | | 85.8 | 60-140 | 0.374 | 40 |
| Heptachlor epoxide | 5.29 | | 0.978 | ug/kg wet | 5.87 | | 90.1 | 60-140 | 1.24 | 40 |
| Methoxychlor | 5.20 | | 0.978 | ug/kg wet | 5.87 | | 88.6 | 60-140 | 1.75 | 40 |
| Toxaphene (Chlorinated Camphene) | <14.7 | U | 14.7 | ug/kg wet | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.43* | *ug/kg wet* | *5.87* | | *92.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.61* | *ug/kg wet* | *5.87* | | *113* | *60-140* | | |
| **MDL TOX (BFB3474-MRL1)** | | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| 4,4'-DDE | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| 4,4'-DDT | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Aldrin | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Chlordane (tech.) | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| delta-BHC | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Dieldrin | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Endosulfan I | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Endosulfan II | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Endosulfan sulfate | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Endrin | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Endrin aldehyde | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3474 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL TOX (BFB3474-MRL1)** | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | | |
| Endrin ketone | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| gamma-Chlordane | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Heptachlor | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Heptachlor epoxide | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Methoxychlor | <0.988 | U | 0.988 | ug/kg wet | | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | 16.0 | | 14.8 | ug/kg wet | 14.8 | | 108 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *6.22* | *ug/kg wet* | *5.93* | | *105* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.89* | *ug/kg wet* | *5.93* | | *116* | *60-140* | | |
| **MDL OCP (BFB3474-MRL2)** | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | | |
| 4,4'-DDD | 0.381 | J | 0.932 | ug/kg wet | 0.373 | | 102 | 50-150 | | |
| 4,4'-DDE | 0.409 | J | 0.932 | ug/kg wet | 0.373 | | 110 | 50-150 | | |
| 4,4'-DDT | 0.331 | J | 0.932 | ug/kg wet | 0.373 | | 88.8 | 50-150 | | |
| Aldrin | 0.355 | J | 0.932 | ug/kg wet | 0.373 | | 95.3 | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.375 | J | 0.932 | ug/kg wet | 0.373 | | 101 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.416 | J | 0.932 | ug/kg wet | 0.373 | | 112 | 50-150 | | |
| Chlordane (tech.) | 1.55 | | 0.932 | ug/kg wet | 1.49 | | 104 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.401 | J | 0.932 | ug/kg wet | 0.373 | | 108 | 50-150 | | |
| delta-BHC | <0.932 | J1, U | 0.932 | ug/kg wet | 0.373 | | | 50-150 | | |
| Dieldrin | 0.407 | J | 0.932 | ug/kg wet | 0.373 | | 109 | 50-150 | | |
| Endosulfan I | 0.372 | J | 0.932 | ug/kg wet | 0.373 | | 99.7 | 50-150 | | |
| Endosulfan II | 0.400 | J | 0.932 | ug/kg wet | 0.373 | | 107 | 50-150 | | |
| Endosulfan sulfate | 0.388 | J | 0.932 | ug/kg wet | 0.373 | | 104 | 50-150 | | |
| Endrin | 0.332 | J | 0.932 | ug/kg wet | 0.373 | | 89.1 | 50-150 | | |
| Endrin aldehyde | 0.369 | J | 0.932 | ug/kg wet | 0.373 | | 99.1 | 50-150 | | |
| Endrin ketone | 0.417 | J | 0.932 | ug/kg wet | 0.373 | | 112 | 50-150 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.371 | J | 0.932 | ug/kg wet | 0.373 | | 99.6 | 50-150 | | |
| gamma-Chlordane | 0.383 | J | 0.932 | ug/kg wet | 0.373 | | 103 | 50-150 | | |
| Heptachlor | 0.371 | J | 0.932 | ug/kg wet | 0.373 | | 99.4 | 50-150 | | |
| Heptachlor epoxide | 0.392 | J | 0.932 | ug/kg wet | 0.373 | | 105 | 50-150 | | |
| Methoxychlor | <0.932 | J1, U | 0.932 | ug/kg wet | 0.373 | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | <14.0 | U | 14.0 | ug/kg wet | | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.18* | *ug/kg wet* | *5.59* | | *92.7* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.11* | *ug/kg wet* | *5.59* | | *109* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3474 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3474-MS1)** | **Source: 22A3944-28** | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | 5.76 | J1 | 1.13 | ug/kg dry | 6.75 | 6.07 | NR | 60-140 | | |
| 4,4'-DDE | 6.06 | J1 | 1.13 | ug/kg dry | 6.75 | 5.26 | 11.8 | 60-140 | | |
| 4,4'-DDT | 5.23 | J1 | 1.13 | ug/kg dry | 6.75 | 4.97 | 3.79 | 60-140 | | |
| Aldrin | 5.99 | J1 | 1.13 | ug/kg dry | 6.75 | 5.46 | 7.74 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 6.33 | J1 | 1.13 | ug/kg dry | 6.75 | 5.99 | 4.96 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 15.5 | J1 | 1.13 | ug/kg dry | 6.75 | 5.58 | 147 | 60-140 | | |
| Chlordane (tech.) | 29.7 | J1 | 1.13 | ug/kg dry | 27.0 | 20.9 | 32.7 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 5.49 | J1 | 1.13 | ug/kg dry | 6.75 | 5.11 | 5.71 | 60-140 | | |
| delta-BHC | 6.16 | J1 | 1.13 | ug/kg dry | 6.75 | 5.76 | 6.03 | 60-140 | | |
| Dieldrin | 5.66 | J1 | 1.13 | ug/kg dry | 6.75 | 5.32 | 4.96 | 60-140 | | |
| Endosulfan I | 4.68 | J1 | 1.13 | ug/kg dry | 6.75 | 4.56 | 1.77 | 60-140 | | |
| Endosulfan II | 5.01 | J1 | 1.13 | ug/kg dry | 6.75 | 4.65 | 5.35 | 60-140 | | |
| Endosulfan sulfate | 5.45 | J1 | 1.13 | ug/kg dry | 6.75 | 4.86 | 8.79 | 60-140 | | |
| Endrin | 4.93 | J1 | 1.13 | ug/kg dry | 6.75 | 4.63 | 4.46 | 60-140 | | |
| Endrin aldehyde | 4.27 | J1 | 1.13 | ug/kg dry | 6.75 | 4.29 | NR | 60-140 | | |
| Endrin ketone | 5.86 | J1 | 1.13 | ug/kg dry | 6.75 | 5.05 | 11.9 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 6.06 | J1 | 1.13 | ug/kg dry | 6.75 | 5.71 | 5.18 | 60-140 | | |
| gamma-Chlordane | 12.6 | | 1.13 | ug/kg dry | 6.75 | 5.20 | 109 | 60-140 | | |
| Heptachlor | 5.85 | J1 | 1.13 | ug/kg dry | 6.75 | 5.23 | 9.08 | 60-140 | | |
| Heptachlor epoxide | 5.80 | J1 | 1.13 | ug/kg dry | 6.75 | 5.35 | 6.62 | 60-140 | | |
| Methoxychlor | 5.32 | J1 | 1.13 | ug/kg dry | 6.75 | 4.81 | 7.51 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.54* | *ug/kg dry* | *6.75* | | *82.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *8.20* | *ug/kg dry* | *6.75* | | *121* | *60-140* | | |
| **Matrix Spike Dup (BFB3474-MSD1)** | **Source: 22A3944-28** | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | |
| 4,4'-DDD | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 6.07 | NR | 60-140 | 200 | 40 |
| 4,4'-DDE | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 5.26 | NR | 60-140 | 200 | 40 |
| 4,4'-DDT | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 4.97 | NR | 60-140 | 200 | 40 |
| Aldrin | 0.810 | J1, J | 1.09 | ug/kg dry | 6.52 | 5.46 | NR | 60-140 | 152 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 5.99 | NR | 60-140 | 200 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 11.2 | | 1.09 | ug/kg dry | 6.52 | 5.58 | 86.0 | 60-140 | 32.5 | 40 |
| Chlordane (tech.) | <1.09 | J1, U | 1.09 | ug/kg dry | 26.1 | 20.9 | NR | 60-140 | 200 | 40 |
| cis-Chlordane (alpha-Chlordane) | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 5.11 | NR | 60-140 | 200 | 40 |
| delta-BHC | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 5.76 | NR | 60-140 | 200 | 40 |
| Dieldrin | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 5.32 | NR | 60-140 | 200 | 40 |
| Endosulfan I | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 4.56 | NR | 60-140 | 200 | 40 |
| Endosulfan II | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 4.65 | NR | 60-140 | 200 | 40 |
| Endosulfan sulfate | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 4.86 | NR | 60-140 | 200 | 40 |
| Endrin | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 4.63 | NR | 60-140 | 200 | 40 |
| Endrin aldehyde | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 4.29 | NR | 60-140 | 200 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3474 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB3474-MSD1)** | **Source: 22A3944-28** | | | | Prepared: 2/25/2022 Analyzed: 3/5/2022 | | | | | |
| Endrin ketone | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 5.05 | NR | 60-140 | 200 | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 5.71 | NR | 60-140 | 200 | 40 |
| gamma-Chlordane | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 5.20 | NR | 60-140 | 200 | 40 |
| Heptachlor | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 5.23 | NR | 60-140 | 200 | 40 |
| Heptachlor epoxide | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 5.35 | NR | 60-140 | 200 | 40 |
| Methoxychlor | <1.09 | J1, U | 1.09 | ug/kg dry | 6.52 | 4.81 | NR | 60-140 | 200 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.27* | *ug/kg dry* | *6.52* | | *80.7* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *7.05* | *ug/kg dry* | *6.52* | | *108* | *60-140* | | |
| ***Batch: BFB3481 - TX 1005 ELUT*** | | | | | | | | | | |
| **Blank (BFB3481-BLK1)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.60 | U | 4.60 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *18.3* | *mg/L* | *30.7* | | *59.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.8* | *mg/L* | *30.7* | | *90.7* | *70-130* | | |
| **LCS (BFB3481-BS1)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | 26.0 | | 2.33 | mg/L | 31.1 | | 83.5 | 75-125 | | |
| >C12-C28 | 19.8 | J1 | 2.33 | mg/L | 31.1 | | 63.6 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 45.3 | J1 | 4.67 | mg/L | 62.2 | | 72.8 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *21.1* | *mg/L* | *31.1* | | *67.9* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.6* | *mg/L* | *31.1* | | *88.6* | *70-130* | | |
| **LCS Dup (BFB3481-BSD1)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | 24.9 | | 2.33 | mg/L | 31.0 | | 80.2 | 75-125 | 4.42 | 20 |
| >C12-C28 | 18.5 | J1 | 2.33 | mg/L | 31.0 | | 59.6 | 75-125 | 6.85 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 42.9 | J1 | 4.65 | mg/L | 62.0 | | 69.1 | 75-125 | 5.56 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *19.3* | *mg/L* | *31.0* | | *62.2* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.5* | *mg/L* | *31.0* | | *85.5* | *70-130* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3481 - TX 1005 ELUT (Continued)*** | | | | | | | | | | |
| **BFB1944-BLK1 (BFB3481-LBK1)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | <2.31 | U | 2.31 | mg/L | | | | | | |
| >C12-C28 | <2.31 | U | 2.31 | mg/L | | | | | | |
| >C12-C35 | <2.31 | U | 2.31 | mg/L | | | | | | |
| >C28-C35 | <2.31 | U | 2.31 | mg/L | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.61 | U | 4.61 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *19.8* | *mg/L* | *30.8* | | *64.3* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.6* | *mg/L* | *30.8* | | *86.4* | *70-130* | | |
| **BFB3010-BLK1 (BFB3481-LBK2)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | <2.33 | U | 2.33 | mg/L | | | | | | |
| >C12-C28 | <2.33 | U | 2.33 | mg/L | | | | | | |
| >C12-C35 | <2.33 | U | 2.33 | mg/L | | | | | | |
| >C28-C35 | <2.33 | U | 2.33 | mg/L | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.66 | U | 4.66 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *20.1* | *mg/L* | *31.0* | | *64.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.1* | *mg/L* | *31.0* | | *87.4* | *70-130* | | |
| **BFB3292-BLK1 (BFB3481-LBK3)** | | | | | Prepared: 2/25/2022 Analyzed: 2/28/2022 | | | | | |
| C6-C12 | <2.31 | U | 2.31 | mg/L | | | | | | |
| >C12-C28 | <2.31 | U | 2.31 | mg/L | | | | | | |
| >C12-C35 | <2.31 | U | 2.31 | mg/L | | | | | | |
| >C28-C35 | <2.31 | U | 2.31 | mg/L | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.62 | U | 4.62 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *20.7* | *mg/L* | *30.8* | | *67.4* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.5* | *mg/L* | *30.8* | | *89.2* | *70-130* | | |
| **MDL (BFB3481-MRL1)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | <2.38 | U | 2.38 | mg/L | 0.238 | | | | | |
| >C12-C28 | <2.38 | U | 2.38 | mg/L | 0.238 | | | | | |
| >C12-C35 | <2.38 | U | 2.38 | mg/L | | | | | | |
| >C28-C35 | <2.38 | U | 2.38 | mg/L | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.76 | U | 4.76 | mg/L | 0.476 | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *20.6* | *mg/L* | *31.7* | | *65.0* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.7* | *mg/L* | *31.7* | | *84.2* | *70-130* | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3481 - TX 1005 ELUT (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3481-MS1)** | **Source: 22A3987-14** | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | 23.4 | | 2.23 | mg/L | 29.7 | <2.23 | 78.9 | 75-125 | | |
| >C12-C28 | 16.2 | J1 | 2.23 | mg/L | 29.7 | <2.23 | 54.6 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 39.0 | J1 | 4.45 | mg/L | 59.4 | <4.45 | 65.7 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *18.3* | *mg/L* | *29.7* | | *61.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *25.6* | *mg/L* | *29.7* | | *86.3* | *70-130* | | |
| **Matrix Spike Dup (BFB3481-MSD1)** | **Source: 22A3987-14** | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | 24.6 | | 2.24 | mg/L | 29.8 | <2.24 | 82.4 | 75-125 | 4.71 | 20 |
| >C12-C28 | 19.9 | J1 | 2.24 | mg/L | 29.8 | <2.24 | 66.6 | 75-125 | 20.3 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 44.1 | J1 | 4.47 | mg/L | 59.6 | <4.47 | 73.9 | 75-125 | 12.2 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *20.1* | *mg/L* | *29.8* | | *67.4* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.7* | *mg/L* | *29.8* | | *89.5* | *70-130* | | |
| ***Batch: BFB3715 - SW-3511*** | | | | | | | | | | |
| **Blank (BFB3715-BLK1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| 4,4'-DDE | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| 4,4'-DDT | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Aldrin | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| delta-BHC | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Dieldrin | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endosulfan I | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endosulfan II | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endrin | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endrin aldehyde | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endrin ketone | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| gamma-Chlordane | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Heptachlor | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Methoxychlor | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.300 | U | 0.300 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.139* | *ug/L* | *0.120* | | *116* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.135* | *ug/L* | *0.120* | | *113* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS TOX (BFB3715-BS1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| 4,4'-DDE | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| 4,4'-DDT | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Aldrin | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Chlordane (tech.) | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| delta-BHC | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Dieldrin | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endosulfan I | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endosulfan II | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endosulfan sulfate | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endrin | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endrin aldehyde | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endrin ketone | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| gamma-Chlordane | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Heptachlor | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Heptachlor epoxide | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Methoxychlor | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 1.36 | | 0.297 | ug/L | 1.19 | | 115 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.151* | *ug/L* | *0.119* | | *127* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.133* | *ug/L* | *0.119* | | *112* | *60-140* | | |
| **LCS (BFB3715-BS2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | 0.118 | | 0.00599 | ug/L | 0.120 | | 98.4 | 60-140 | | |
| 4,4'-DDE | 0.103 | | 0.00599 | ug/L | 0.120 | | 85.6 | 60-140 | | |
| 4,4'-DDT | 0.104 | | 0.00599 | ug/L | 0.120 | | 86.7 | 60-140 | | |
| Aldrin | 0.101 | | 0.00599 | ug/L | 0.120 | | 84.0 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.129 | | 0.00599 | ug/L | 0.120 | | 108 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.117 | | 0.00599 | ug/L | 0.120 | | 97.7 | 60-140 | | |
| Chlordane (tech.) | 0.402 | | 0.00599 | ug/L | 0.479 | | 83.9 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0991 | | 0.00599 | ug/L | 0.120 | | 82.7 | 60-140 | | |
| delta-BHC | 0.108 | | 0.00599 | ug/L | 0.120 | | 90.4 | 60-140 | | |
| Dieldrin | 0.104 | | 0.00599 | ug/L | 0.120 | | 86.8 | 60-140 | | |
| Endosulfan I | 0.0891 | | 0.00599 | ug/L | 0.120 | | 74.3 | 60-140 | | |
| Endosulfan II | 0.101 | | 0.00599 | ug/L | 0.120 | | 84.0 | 60-140 | | |
| Endosulfan sulfate | 0.112 | | 0.00599 | ug/L | 0.120 | | 93.2 | 60-140 | | |
| Endrin | 0.0948 | | 0.00599 | ug/L | 0.120 | | 79.1 | 60-140 | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3715-BS2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| Endrin aldehyde | 0.121 | | 0.00599 | ug/L | 0.120 | | 101 | 60-140 | | |
| Endrin ketone | 0.112 | | 0.00599 | ug/L | 0.120 | | 93.2 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.120 | | 0.00599 | ug/L | 0.120 | | 100 | 60-140 | | |
| gamma-Chlordane | 0.0980 | | 0.00599 | ug/L | 0.120 | | 81.8 | 60-140 | | |
| Heptachlor | 0.106 | | 0.00599 | ug/L | 0.120 | | 88.5 | 60-140 | | |
| Heptachlor epoxide | 0.0988 | | 0.00599 | ug/L | 0.120 | | 82.5 | 60-140 | | |
| Methoxychlor | 0.108 | | 0.00599 | ug/L | 0.120 | | 89.9 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.134* | *ug/L* | *0.120* | | *112* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.137* | *ug/L* | *0.120* | | *114* | *60-140* | | |
| **LCS Dup TOX (BFB3715-BSD1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Aldrin | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| delta-BHC | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Dieldrin | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Endosulfan I | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Endosulfan II | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Endrin | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Endrin aldehyde | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Endrin ketone | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Heptachlor | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Methoxychlor | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 1.18 | | 0.295 | ug/L | 1.18 | | 99.8 | 60-140 | 14.6 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.132* | *ug/L* | *0.118* | | *112* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.120* | *ug/L* | *0.118* | | *101* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3715-BSD2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | 0.0990 | | 0.00592 | ug/L | 0.118 | | 83.7 | 60-140 | 17.4 | 40 |
| 4,4'-DDE | 0.105 | | 0.00592 | ug/L | 0.118 | | 88.8 | 60-140 | 2.44 | 40 |
| 4,4'-DDT | 0.110 | | 0.00592 | ug/L | 0.118 | | 92.9 | 60-140 | 5.62 | 40 |
| Aldrin | 0.107 | | 0.00592 | ug/L | 0.118 | | 90.1 | 60-140 | 5.71 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.134 | | 0.00592 | ug/L | 0.118 | | 113 | 60-140 | 3.97 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.121 | | 0.00592 | ug/L | 0.118 | | 102 | 60-140 | 3.21 | 40 |
| Chlordane (tech.) | 0.425 | | 0.00592 | ug/L | 0.473 | | 89.8 | 60-140 | 5.59 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.106 | | 0.00592 | ug/L | 0.118 | | 89.3 | 60-140 | 6.48 | 40 |
| delta-BHC | 0.115 | | 0.00592 | ug/L | 0.118 | | 96.8 | 60-140 | 5.69 | 40 |
| Dieldrin | 0.110 | | 0.00592 | ug/L | 0.118 | | 92.6 | 60-140 | 5.32 | 40 |
| Endosulfan I | 0.0962 | | 0.00592 | ug/L | 0.118 | | 81.3 | 60-140 | 7.75 | 40 |
| Endosulfan II | 0.102 | | 0.00592 | ug/L | 0.118 | | 86.3 | 60-140 | 1.43 | 40 |
| Endosulfan sulfate | 0.104 | | 0.00592 | ug/L | 0.118 | | 87.9 | 60-140 | 7.06 | 40 |
| Endrin | 0.0992 | | 0.00592 | ug/L | 0.118 | | 83.8 | 60-140 | 4.51 | 40 |
| Endrin aldehyde | 0.124 | | 0.00592 | ug/L | 0.118 | | 105 | 60-140 | 2.80 | 40 |
| Endrin ketone | 0.102 | | 0.00592 | ug/L | 0.118 | | 86.4 | 60-140 | 8.74 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.124 | | 0.00592 | ug/L | 0.118 | | 105 | 60-140 | 3.34 | 40 |
| gamma-Chlordane | 0.103 | | 0.00592 | ug/L | 0.118 | | 87.4 | 60-140 | 5.40 | 40 |
| Heptachlor | 0.112 | | 0.00592 | ug/L | 0.118 | | 95.0 | 60-140 | 5.80 | 40 |
| Heptachlor epoxide | 0.104 | | 0.00592 | ug/L | 0.118 | | 87.5 | 60-140 | 4.66 | 40 |
| Methoxychlor | 0.116 | | 0.00592 | ug/L | 0.118 | | 98.3 | 60-140 | 7.65 | 40 |
| Toxaphene (Chlorinated Camphene) | <0.296 | U | 0.296 | ug/L | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.136* | *ug/L* | *0.118* | | *115* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.136* | *ug/L* | *0.118* | | *115* | *60-140* | | |
| **MDL TOX (BFB3715-MRL1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDE | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDT | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Aldrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| delta-BHC | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Dieldrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan I | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan II | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endrin aldehyde | <0.00595 | U | 0.00595 | ug/L | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL TOX (BFB3715-MRL1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| Endrin ketone | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| gamma-Chlordane | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Heptachlor | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Methoxychlor | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | 0.359 | | 0.297 | ug/L | 0.297 | | 121 | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.143* | *ug/L* | *0.119* | | *120* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.127* | *ug/L* | *0.119* | | *107* | *60-140* | | |
| **MDL (BFB3715-MRL2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | 0.00921 | | 0.00599 | ug/L | 0.0120 | | 76.8 | | | |
| 4,4'-DDE | 0.0112 | | 0.00599 | ug/L | 0.0120 | | 93.3 | | | |
| 4,4'-DDT | 0.0108 | | 0.00599 | ug/L | 0.0120 | | 89.8 | | | |
| Aldrin | 0.0114 | | 0.00599 | ug/L | 0.0120 | | 94.8 | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0141 | | 0.00599 | ug/L | 0.0120 | | 118 | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0144 | | 0.00599 | ug/L | 0.0120 | | 120 | | | |
| Chlordane (tech.) | 0.0428 | | 0.00599 | ug/L | 0.0479 | | 89.3 | | | |
| cis-Chlordane (alpha-Chlordane) | 0.0122 | | 0.00599 | ug/L | 0.0120 | | 102 | | | |
| delta-BHC | 0.00542 | J | 0.00599 | ug/L | 0.0120 | | 45.2 | | | |
| Dieldrin | 0.0112 | | 0.00599 | ug/L | 0.0120 | | 93.7 | | | |
| Endosulfan I | 0.0111 | | 0.00599 | ug/L | 0.0120 | | 92.4 | | | |
| Endosulfan II | 0.0116 | | 0.00599 | ug/L | 0.0120 | | 97.2 | | | |
| Endosulfan sulfate | 0.0126 | | 0.00599 | ug/L | 0.0120 | | 105 | | | |
| Endrin | 0.0102 | | 0.00599 | ug/L | 0.0120 | | 85.4 | | | |
| Endrin aldehyde | 0.0142 | | 0.00599 | ug/L | 0.0120 | | 119 | | | |
| Endrin ketone | 0.0126 | | 0.00599 | ug/L | 0.0120 | | 105 | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0142 | | 0.00599 | ug/L | 0.0120 | | 118 | | | |
| gamma-Chlordane | 0.0109 | | 0.00599 | ug/L | 0.0120 | | 91.2 | | | |
| Heptachlor | 0.0102 | | 0.00599 | ug/L | 0.0120 | | 85.6 | | | |
| Heptachlor epoxide | 0.00941 | | 0.00599 | ug/L | 0.0120 | | 78.6 | | | |
| Methoxychlor | 0.00518 | J | 0.00599 | ug/L | 0.0120 | | 43.2 | | | |
| Toxaphene (Chlorinated Camphene) | <0.300 | U | 0.300 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.135* | *ug/L* | *0.120* | | *113* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.133* | *ug/L* | *0.120* | | *111* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3715-MS1)** | **Source: 22B3212-01** | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | 0.778 | | 0.0293 | ug/L | 0.585 | <0.0293 | 133 | 60-140 | | |
| 4,4'-DDE | 0.572 | | 0.0293 | ug/L | 0.585 | <0.0293 | 97.7 | 60-140 | | |
| 4,4'-DDT | 0.598 | | 0.0293 | ug/L | 0.585 | <0.0293 | 102 | 60-140 | | |
| Aldrin | 0.588 | | 0.0293 | ug/L | 0.585 | <0.0293 | 101 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.956 | J1 | 0.0293 | ug/L | 0.585 | 0.0301 | 158 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.856 | J1 | 0.0293 | ug/L | 0.585 | <0.0293 | 146 | 60-140 | | |
| Chlordane (tech.) | 2.72 | | 0.0293 | ug/L | 2.34 | <0.0293 | 116 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.660 | | 0.0293 | ug/L | 0.585 | <0.0293 | 113 | 60-140 | | |
| delta-BHC | 0.818 | | 0.0293 | ug/L | 0.585 | <0.0293 | 140 | 60-140 | | |
| Dieldrin | 0.767 | | 0.0293 | ug/L | 0.585 | <0.0293 | 131 | 60-140 | | |
| Endosulfan I | 0.672 | | 0.0293 | ug/L | 0.585 | <0.0293 | 115 | 60-140 | | |
| Endosulfan II | 0.726 | | 0.0293 | ug/L | 0.585 | <0.0293 | 124 | 60-140 | | |
| Endosulfan sulfate | 0.849 | J1 | 0.0293 | ug/L | 0.585 | <0.0293 | 145 | 60-140 | | |
| Endrin | 0.695 | | 0.0293 | ug/L | 0.585 | <0.0293 | 119 | 60-140 | | |
| Endrin aldehyde | 0.881 | J1 | 0.0293 | ug/L | 0.585 | <0.0293 | 150 | 60-140 | | |
| Endrin ketone | 0.858 | J1 | 0.0293 | ug/L | 0.585 | <0.0293 | 147 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.887 | J1 | 0.0293 | ug/L | 0.585 | <0.0293 | 152 | 60-140 | | |
| gamma-Chlordane | 0.628 | | 0.0293 | ug/L | 0.585 | <0.0293 | 107 | 60-140 | | |
| Heptachlor | 0.706 | | 0.0293 | ug/L | 0.585 | <0.0293 | 121 | 60-140 | | |
| Heptachlor epoxide | 0.722 | | 0.0293 | ug/L | 0.585 | <0.0293 | 123 | 60-140 | | |
| Methoxychlor | 0.812 | | 0.0293 | ug/L | 0.585 | <0.0293 | 139 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | *S* | | *0.848* | *ug/L* | *0.585* | | *145* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.673* | *ug/L* | *0.585* | | *115* | *60-140* | | |
| **Matrix Spike Dup (BFB3715-MSD1)** | **Source: 22B3212-01** | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | 0.672 | | 0.0289 | ug/L | 0.579 | <0.0289 | 116 | 60-140 | 14.6 | 40 |
| 4,4'-DDE | 0.501 | | 0.0289 | ug/L | 0.579 | <0.0289 | 86.6 | 60-140 | 13.3 | 40 |
| 4,4'-DDT | 0.540 | | 0.0289 | ug/L | 0.579 | <0.0289 | 93.4 | 60-140 | 10.2 | 40 |
| Aldrin | 0.549 | | 0.0289 | ug/L | 0.579 | <0.0289 | 95.0 | 60-140 | 6.86 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.982 | J1 | 0.0289 | ug/L | 0.579 | 0.0301 | 165 | 60-140 | 2.69 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.875 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 151 | 60-140 | 2.12 | 40 |
| Chlordane (tech.) | 2.65 | | 0.0289 | ug/L | 2.31 | <0.0289 | 115 | 60-140 | 2.37 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.630 | | 0.0289 | ug/L | 0.579 | <0.0289 | 109 | 60-140 | 4.64 | 40 |
| delta-BHC | 0.853 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 147 | 60-140 | 4.16 | 40 |
| Dieldrin | 0.775 | | 0.0289 | ug/L | 0.579 | <0.0289 | 134 | 60-140 | 1.02 | 40 |
| Endosulfan I | 0.701 | | 0.0289 | ug/L | 0.579 | <0.0289 | 121 | 60-140 | 4.18 | 40 |
| Endosulfan II | 0.746 | | 0.0289 | ug/L | 0.579 | <0.0289 | 129 | 60-140 | 2.72 | 40 |
| Endosulfan sulfate | 0.871 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 151 | 60-140 | 2.60 | 40 |
| Endrin | 0.690 | | 0.0289 | ug/L | 0.579 | <0.0289 | 119 | 60-140 | 0.710 | 40 |
| Endrin aldehyde | 0.929 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 161 | 60-140 | 5.27 | 40 |
| Endrin ketone | 0.848 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 147 | 60-140 | 1.11 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB3715-MSD1)** | **Source: 22B3212-01** | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.917 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 158 | 60-140 | 3.28 | 40 |
| gamma-Chlordane | 0.585 | | 0.0289 | ug/L | 0.579 | <0.0289 | 101 | 60-140 | 7.14 | 40 |
| Heptachlor | 0.689 | | 0.0289 | ug/L | 0.579 | <0.0289 | 119 | 60-140 | 2.43 | 40 |
| Heptachlor epoxide | 0.748 | | 0.0289 | ug/L | 0.579 | <0.0289 | 129 | 60-140 | 3.60 | 40 |
| Methoxychlor | 0.809 | | 0.0289 | ug/L | 0.579 | <0.0289 | 140 | 60-140 | 0.421 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.888* | *ug/L* | *0.579* | | *153* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.686* | *ug/L* | *0.579* | | *119* | *60-140* | | |
| ***Batch: BFC0009 - TX 1005*** | | | | | | | | | | |
| **Blank (BFC0009-BLK1)** | | | | | Prepared: 3/1/2022 Analyzed: 3/10/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <8.35 | U | 8.35 | mg/kg wet | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *172* | *mg/kg wet* | *232* | | *74.2* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *218* | *mg/kg wet* | *232* | | *94.1* | *70-130* | | |
| **LCS (BFC0009-BS1)** | | | | | Prepared: 3/1/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 205 | | 4.24 | mg/kg wet | 236 | | 87.2 | 75-125 | | |
| >C12-C28 | 137 | J1 | 4.24 | mg/kg wet | 236 | | 58.0 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 336 | J1 | 8.48 | mg/kg wet | 471 | | 71.2 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *173* | *mg/kg wet* | *236* | | *73.4* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *228* | *mg/kg wet* | *236* | | *96.7* | *70-130* | | |
| **LCS Dup (BFC0009-BSD1)** | | | | | Prepared: 3/1/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 222 | | 4.45 | mg/kg wet | 247 | | 89.7 | 75-125 | 7.56 | 20 |
| >C12-C28 | 129 | J1 | 4.45 | mg/kg wet | 247 | | 52.2 | 75-125 | 5.82 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 342 | J1 | 8.89 | mg/kg wet | 494 | | 69.2 | 75-125 | 1.82 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *184* | *mg/kg wet* | *247* | | *74.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *239* | *mg/kg wet* | *247* | | *96.7* | *70-130* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0009 - TX 1005 (Continued)*** | | | | | | | | | | |
| **MDL TPH (BFC0009-MRL1)** | | | | | Prepared: 3/1/2022 Analyzed: 3/10/2022 | | | | | |
| C6-C12 | 4.06 | J | 4.44 | mg/kg wet | 4.93 | | 82.4 | 50-150 | | |
| >C12-C28 | <4.44 | J1, U | 4.44 | mg/kg wet | 4.93 | | | 50-150 | | |
| >C12-C35 | <4.44 | U | 4.44 | mg/kg wet | | | | 50-150 | | |
| >C28-C35 | <4.44 | U | 4.44 | mg/kg wet | | | | 50-150 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 3.68 | J1, J | 8.88 | mg/kg wet | 9.86 | | 37.3 | 50-150 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *200* | *mg/kg wet* | *247* | | *81.2* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *238* | *mg/kg wet* | *247* | | *96.5* | *70-130* | | |
| **Matrix Spike (BFC0009-MS1)** | | **Source: 22A3944-32** | | | Prepared: 3/1/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 238 | | 4.91 | mg/kg dry | 273 | 2.08 | 86.3 | 75-125 | | |
| >C12-C28 | 156 | J1 | 4.91 | mg/kg dry | 273 | <4.91 | 57.3 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 386 | J1 | 9.82 | mg/kg dry | 546 | <9.82 | 70.8 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *206* | *mg/kg dry* | *273* | | *75.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *262* | *mg/kg dry* | *273* | | *96.1* | *70-130* | | |
| **Matrix Spike Dup (BFC0009-MSD1)** | | **Source: 22A3944-32** | | | Prepared: 3/1/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 272 | | 5.33 | mg/kg dry | 296 | 2.08 | 91.2 | 75-125 | 13.5 | 20 |
| >C12-C28 | 159 | J1 | 5.33 | mg/kg dry | 296 | <5.33 | 53.9 | 75-125 | 1.97 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 421 | J1 | 10.7 | mg/kg dry | 592 | <10.7 | 71.1 | 75-125 | 8.59 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *205* | *mg/kg dry* | *296* | | *69.3* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *275* | *mg/kg dry* | *296* | | *92.8* | *70-130* | | |
| ***Batch: BFC0070 - SW-3570*** | | | | | | | | | | |
| **Blank (BFC0070-BLK1)** | | | | | Prepared: 3/1/2022 Analyzed: 3/5/2022 | | | | | |
| PCBs, Total | <2.00 | U | 2.00 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.651* | *ug/kg wet* | *0.599* | | *109* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.606* | *ug/kg wet* | *0.599* | | *101* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0070 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BFC0070-BLK2)** | | | | Prepared: 3/1/2022 Analyzed: 4/6/2022 | | | | | | |
| PCBs, Total | <2.00 | U | 2.00 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.648* | *ug/kg wet* | *0.599* | | *108* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.659* | *ug/kg wet* | *0.599* | | *110* | *60-140* | | |
| **LCS (BFC0070-BS1)** | | | | Prepared: 3/1/2022 Analyzed: 3/5/2022 | | | | | | |
| Aroclor-1016 (PCB-1016) | 4.39 | | 1.94 | ug/kg wet | 5.83 | | 75.3 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 4.35 | | 1.94 | ug/kg wet | 5.83 | | 74.6 | 60-140 | | |
| PCBs, Total | 4.36 | | 1.94 | ug/kg wet | 5.83 | | 74.8 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.416* | *ug/kg wet* | *0.583* | | *71.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.454* | *ug/kg wet* | *0.583* | | *77.9* | *60-140* | | |
| **LCS (BFC0070-BS2)** | | | | Prepared: 3/1/2022 Analyzed: 4/6/2022 | | | | | | |
| Aroclor-1016 (PCB-1016) | 3.96 | | 1.94 | ug/kg wet | 5.83 | | 67.9 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 3.67 | | 1.94 | ug/kg wet | 5.83 | | 63.1 | 60-140 | | |
| PCBs, Total | 3.75 | | 1.94 | ug/kg wet | 5.83 | | 64.4 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.412* | *ug/kg wet* | *0.583* | | *70.7* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.447* | *ug/kg wet* | *0.583* | | *76.8* | *60-140* | | |
| **LCS Dup (BFC0070-BSD1)** | | | | Prepared: 3/1/2022 Analyzed: 3/5/2022 | | | | | | |
| Aroclor-1016 (PCB-1016) | 6.96 | J1 | 1.94 | ug/kg wet | 5.83 | | 119 | 60-140 | 45.4 | 40 |
| Aroclor-1260 (PCB-1260) | 6.54 | J1 | 1.94 | ug/kg wet | 5.83 | | 112 | 60-140 | 40.2 | 40 |
| PCBs, Total | 6.66 | J1 | 1.94 | ug/kg wet | 5.83 | | 114 | 60-140 | 41.7 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.590* | *ug/kg wet* | *0.583* | | *101* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.642* | *ug/kg wet* | *0.583* | | *110* | *60-140* | | |
| **LCS Dup (BFC0070-BSD2)** | | | | Prepared: 3/1/2022 Analyzed: 4/6/2022 | | | | | | |
| Aroclor-1016 (PCB-1016) | 6.56 | J1 | 1.94 | ug/kg wet | 5.83 | | 113 | 60-140 | 49.5 | 40 |
| Aroclor-1260 (PCB-1260) | 5.84 | J1 | 1.94 | ug/kg wet | 5.83 | | 100 | 60-140 | 45.5 | 40 |
| PCBs, Total | 6.03 | J1 | 1.94 | ug/kg wet | 5.83 | | 103 | 60-140 | 46.6 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.601* | *ug/kg wet* | *0.583* | | *103* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.617* | *ug/kg wet* | *0.583* | | *106* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0070 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL (BFC0070-MRL1)** | | | | | Prepared: 3/1/2022 Analyzed: 3/5/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.27 | J | 1.96 | ug/kg wet | 1.18 | | 108 | 50-150 | | |
| Aroclor-1221 (PCB-1221) | 1.95 | J | 1.96 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1232 (PCB-1232) | 6.03 | | 1.96 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1242 (PCB-1242) | <1.96 | U | 1.96 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1248 (PCB-1248) | 1.05 | J | 1.96 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1254 (PCB-1254) | <1.96 | U | 1.96 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1260 (PCB-1260) | 1.12 | J | 1.96 | ug/kg wet | 1.18 | | 94.9 | 50-150 | | |
| PCBs, Total | 1.16 | J | 1.96 | ug/kg wet | 1.18 | | 98.6 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.494* | *ug/kg wet* | *0.588* | | *84.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.527* | *ug/kg wet* | *0.588* | | *89.5* | *60-140* | | |
| **MRL Check (BFC0070-MRL2)** | | | | | Prepared: 3/1/2022 Analyzed: 4/6/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.42 | J | 1.96 | ug/kg wet | 1.18 | | 121 | 50-150 | | |
| Aroclor-1221 (PCB-1221) | 2.14 | | 1.96 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1232 (PCB-1232) | 4.63 | | 1.96 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1242 (PCB-1242) | 2.04 | | 1.96 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1248 (PCB-1248) | <1.96 | U | 1.96 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1254 (PCB-1254) | 1.77 | J | 1.96 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1260 (PCB-1260) | 1.05 | J | 1.96 | ug/kg wet | 1.18 | | 89.2 | 50-150 | | |
| PCBs, Total | 1.16 | J | 1.96 | ug/kg wet | 1.18 | | 98.5 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.492* | *ug/kg wet* | *0.588* | | *83.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.517* | *ug/kg wet* | *0.588* | | *87.9* | *60-140* | | |
| **Matrix Spike (BFC0070-MS1)** | | **Source: 22A3944-28** | | | Prepared: 3/1/2022 Analyzed: 3/5/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 6.99 | | 2.26 | ug/kg dry | 6.79 | <2.26 | 103 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 5.88 | | 2.26 | ug/kg dry | 6.79 | <2.26 | 86.6 | 60-140 | | |
| PCBs, Total | 6.20 | | 2.26 | ug/kg dry | 6.79 | <2.26 | 91.2 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.580* | *ug/kg dry* | *0.679* | | *85.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.599* | *ug/kg dry* | *0.679* | | *88.2* | *60-140* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0070 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC0070-MSD1)** | **Source: 22A3944-28** | | | | Prepared: 3/1/2022 Analyzed: 3/5/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 8.44 | | 2.20 | ug/kg dry | 6.59 | <2.20 | 128 | 60-140 | 18.7 | 40 |
| Aroclor-1260 (PCB-1260) | 7.43 | | 2.20 | ug/kg dry | 6.59 | <2.20 | 113 | 60-140 | 23.3 | 40 |
| PCBs, Total | 7.72 | | 2.20 | ug/kg dry | 6.59 | <2.20 | 117 | 60-140 | 21.9 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.729* | *ug/kg dry* | *0.659* | | *111* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.771* | *ug/kg dry* | *0.659* | | *117* | *60-140* | | |
| ***Batch: BFC0541 - SW-3511*** | | | | | | | | | | |
| **Blank (BFC0541-BLK1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| 4,4'-DDE | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| 4,4'-DDT | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Aldrin | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| delta-BHC | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Dieldrin | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Endosulfan I | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Endosulfan II | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Endrin | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Endrin aldehyde | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Endrin ketone | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| gamma-Chlordane | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Heptachlor | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Methoxychlor | <0.00596 | U | 0.00596 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | U | 0.298 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.118* | *ug/L* | *0.119* | | *98.7* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.125* | *ug/L* | *0.119* | | *105* | *60-140* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0541 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS TOX (BFC0541-BS1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Aldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 1.40 | | 0.300 | ug/L | 1.20 | | 116 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.138* | *ug/L* | *0.120* | | *115* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.146* | *ug/L* | *0.120* | | *121* | *60-140* | | |
| **LCS (BFC0541-BS2)** | | | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | 0.0983 | | 0.00593 | ug/L | 0.119 | | 82.8 | 60-140 | | |
| 4,4'-DDE | 0.0895 | | 0.00593 | ug/L | 0.119 | | 75.4 | 60-140 | | |
| 4,4'-DDT | 0.0927 | | 0.00593 | ug/L | 0.119 | | 78.1 | 60-140 | | |
| Aldrin | 0.0905 | | 0.00593 | ug/L | 0.119 | | 76.2 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.131 | | 0.00593 | ug/L | 0.119 | | 111 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.117 | | 0.00593 | ug/L | 0.119 | | 98.4 | 60-140 | | |
| Chlordane (tech.) | 0.375 | | 0.00593 | ug/L | 0.475 | | 79.0 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0805 | | 0.00593 | ug/L | 0.119 | | 67.8 | 60-140 | | |
| delta-BHC | 0.112 | | 0.00593 | ug/L | 0.119 | | 94.2 | 60-140 | | |
| Dieldrin | 0.0925 | | 0.00593 | ug/L | 0.119 | | 77.9 | 60-140 | | |
| Endosulfan I | 0.0747 | | 0.00593 | ug/L | 0.119 | | 62.9 | 60-140 | | |
| Endosulfan II | 0.0890 | | 0.00593 | ug/L | 0.119 | | 75.0 | 60-140 | | |
| Endosulfan sulfate | 0.106 | | 0.00593 | ug/L | 0.119 | | 89.2 | 60-140 | | |
| Endrin | 0.0896 | | 0.00593 | ug/L | 0.119 | | 75.5 | 60-140 | | |
| Endrin aldehyde | 0.107 | | 0.00593 | ug/L | 0.119 | | 89.8 | 60-140 | | |

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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0541 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC0541-BS2)** | | | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| Endrin ketone | 0.113 | | 0.00593 | ug/L | 0.119 | | 95.1 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.119 | | 0.00593 | ug/L | 0.119 | | 99.9 | 60-140 | | |
| gamma-Chlordane | 0.0849 | | 0.00593 | ug/L | 0.119 | | 71.5 | 60-140 | | |
| Heptachlor | 0.115 | | 0.00593 | ug/L | 0.119 | | 96.8 | 60-140 | | |
| Heptachlor epoxide | 0.0947 | | 0.00593 | ug/L | 0.119 | | 79.8 | 60-140 | | |
| Methoxychlor | 0.102 | | 0.00593 | ug/L | 0.119 | | 85.8 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <0.297 | U | 0.297 | ug/L | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.128* | *ug/L* | *0.119* | | *107* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.132* | *ug/L* | *0.119* | | *111* | *60-140* | | |
| **LCS Dup TOX (BFC0541-BSD1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Aldrin | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| delta-BHC | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Dieldrin | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Endosulfan I | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Endosulfan II | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Endrin | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Endrin aldehyde | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Endrin ketone | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Heptachlor | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Methoxychlor | <0.00598 | U | 0.00598 | ug/L | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 1.21 | | 0.299 | ug/L | 1.20 | | 101 | 60-140 | 14.4 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.135* | *ug/L* | *0.120* | | *113* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.140* | *ug/L* | *0.120* | | *117* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0541 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC0541-BSD2)** | | | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | 0.101 | | 0.00595 | ug/L | 0.119 | | 84.8 | 60-140 | 2.67 | 40 |
| 4,4'-DDE | 0.0897 | | 0.00595 | ug/L | 0.119 | | 75.4 | 60-140 | 0.271 | 40 |
| 4,4'-DDT | 0.0927 | | 0.00595 | ug/L | 0.119 | | 77.9 | 60-140 | 0.00343 | 40 |
| Aldrin | 0.0912 | | 0.00595 | ug/L | 0.119 | | 76.6 | 60-140 | 0.795 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.133 | | 0.00595 | ug/L | 0.119 | | 112 | 60-140 | 1.23 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.119 | | 0.00595 | ug/L | 0.119 | | 99.7 | 60-140 | 1.68 | 40 |
| Chlordane (tech.) | 0.378 | | 0.00595 | ug/L | 0.476 | | 79.3 | 60-140 | 0.756 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.0802 | | 0.00595 | ug/L | 0.119 | | 67.4 | 60-140 | 0.260 | 40 |
| delta-BHC | 0.108 | | 0.00595 | ug/L | 0.119 | | 90.4 | 60-140 | 3.74 | 40 |
| Dieldrin | 0.0954 | | 0.00595 | ug/L | 0.119 | | 80.1 | 60-140 | 3.12 | 40 |
| Endosulfan I | 0.0745 | | 0.00595 | ug/L | 0.119 | | 62.6 | 60-140 | 0.185 | 40 |
| Endosulfan II | 0.0890 | | 0.00595 | ug/L | 0.119 | | 74.8 | 60-140 | 0.0168 | 40 |
| Endosulfan sulfate | 0.106 | | 0.00595 | ug/L | 0.119 | | 88.9 | 60-140 | 0.00312 | 40 |
| Endrin | 0.0902 | | 0.00595 | ug/L | 0.119 | | 75.8 | 60-140 | 0.687 | 40 |
| Endrin aldehyde | 0.107 | | 0.00595 | ug/L | 0.119 | | 90.2 | 60-140 | 0.739 | 40 |
| Endrin ketone | 0.112 | | 0.00595 | ug/L | 0.119 | | 94.1 | 60-140 | 0.798 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.121 | | 0.00595 | ug/L | 0.119 | | 102 | 60-140 | 2.35 | 40 |
| gamma-Chlordane | 0.0874 | | 0.00595 | ug/L | 0.119 | | 73.4 | 60-140 | 2.93 | 40 |
| Heptachlor | 0.115 | | 0.00595 | ug/L | 0.119 | | 96.3 | 60-140 | 0.242 | 40 |
| Heptachlor epoxide | 0.0955 | | 0.00595 | ug/L | 0.119 | | 80.2 | 60-140 | 0.848 | 40 |
| Methoxychlor | 0.105 | | 0.00595 | ug/L | 0.119 | | 88.2 | 60-140 | 2.98 | 40 |
| Toxaphene (Chlorinated Camphene) | <0.298 | U | 0.298 | ug/L | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.126* | *ug/L* | *0.119* | | *106* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.131* | *ug/L* | *0.119* | | *110* | *60-140* | | |
| **BFB3668-BLK1 (BFC0541-LBK1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| 4,4'-DDE | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| 4,4'-DDT | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Aldrin | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Chlordane (tech.) | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| delta-BHC | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Dieldrin | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Endosulfan I | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Endosulfan II | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Endosulfan sulfate | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Endrin | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Endrin aldehyde | <0.0293 | U | 0.0293 | ug/L | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0541 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFB3668-BLK1 (BFC0541-LBK1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| Endrin ketone | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| gamma-Chlordane | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Heptachlor | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Heptachlor epoxide | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Methoxychlor | <0.0293 | U | 0.0293 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <1.46 | U | 1.46 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.787* | *ug/L* | *0.585* | | *134* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.642* | *ug/L* | *0.585* | | *110* | *60-140* | | |
| **MDL TOX (BFC0541-MRL1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| 4,4'-DDE | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| 4,4'-DDT | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Aldrin | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Chlordane (tech.) | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| delta-BHC | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Dieldrin | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endosulfan I | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endosulfan II | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endosulfan sulfate | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endrin | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endrin aldehyde | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Endrin ketone | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| gamma-Chlordane | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Heptachlor | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Heptachlor epoxide | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Methoxychlor | <0.00596 | U | 0.00596 | ug/L | | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | 0.427 | | 0.298 | ug/L | 0.298 | | 143 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.130* | *ug/L* | *0.119* | | *109* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.131* | *ug/L* | *0.119* | | *110* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0541 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL (BFC0541-MRL2)** | | | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | 0.0101 | | 0.00596 | ug/L | 0.0119 | | 84.8 | 50-150 | | |
| 4,4'-DDE | 0.0108 | | 0.00596 | ug/L | 0.0119 | | 90.5 | 50-150 | | |
| 4,4'-DDT | 0.0101 | | 0.00596 | ug/L | 0.0119 | | 84.3 | 50-150 | | |
| Aldrin | 0.00832 | | 0.00596 | ug/L | 0.0119 | | 69.7 | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0153 | | 0.00596 | ug/L | 0.0119 | | 128 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0130 | | 0.00596 | ug/L | 0.0119 | | 109 | 50-150 | | |
| Chlordane (tech.) | 0.0477 | | 0.00596 | ug/L | 0.0477 | | 100 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.00930 | | 0.00596 | ug/L | 0.0119 | | 78.0 | 50-150 | | |
| delta-BHC | 0.0130 | | 0.00596 | ug/L | 0.0119 | | 109 | 50-150 | | |
| Dieldrin | 0.0111 | | 0.00596 | ug/L | 0.0119 | | 93.0 | 50-150 | | |
| Endosulfan I | 0.00895 | | 0.00596 | ug/L | 0.0119 | | 75.1 | 50-150 | | |
| Endosulfan II | 0.0113 | | 0.00596 | ug/L | 0.0119 | | 94.9 | 50-150 | | |
| Endosulfan sulfate | 0.0133 | | 0.00596 | ug/L | 0.0119 | | 112 | 50-150 | | |
| Endrin | 0.0108 | | 0.00596 | ug/L | 0.0119 | | 90.9 | 50-150 | | |
| Endrin aldehyde | 0.0142 | | 0.00596 | ug/L | 0.0119 | | 119 | 50-150 | | |
| Endrin ketone | 0.0149 | | 0.00596 | ug/L | 0.0119 | | 125 | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0149 | | 0.00596 | ug/L | 0.0119 | | 125 | 50-150 | | |
| gamma-Chlordane | 0.00720 | | 0.00596 | ug/L | 0.0119 | | 60.3 | 50-150 | | |
| Heptachlor | 0.0190 | J1 | 0.00596 | ug/L | 0.0119 | | 159 | 50-150 | | |
| Heptachlor epoxide | 0.0122 | | 0.00596 | ug/L | 0.0119 | | 102 | 50-150 | | |
| Methoxychlor | 0.0138 | | 0.00596 | ug/L | 0.0119 | | 115 | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | U | 0.298 | ug/L | | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.124* | *ug/L* | *0.119* | | *104* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.132* | *ug/L* | *0.119* | | *111* | *60-140* | | |
| **Matrix Spike (BFC0541-MS1)** | | **Source: 22B3792-01** | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | 0.559 | | 0.0294 | ug/L | 0.588 | <0.0294 | 95.2 | 60-140 | | |
| 4,4'-DDE | 0.409 | | 0.0294 | ug/L | 0.588 | 0.0423 | 62.4 | 60-140 | | |
| 4,4'-DDT | 0.545 | | 0.0294 | ug/L | 0.588 | 0.192 | 60.1 | 60-140 | | |
| Aldrin | 0.452 | | 0.0294 | ug/L | 0.588 | <0.0294 | 77.0 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.712 | | 0.0294 | ug/L | 0.588 | 0.0393 | 115 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.664 | | 0.0294 | ug/L | 0.588 | <0.0294 | 113 | 60-140 | | |
| Chlordane (tech.) | 2.11 | | 0.0294 | ug/L | 2.35 | 0.214 | 80.6 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.392 | | 0.0294 | ug/L | 0.588 | <0.0294 | 66.6 | 60-140 | | |
| delta-BHC | 0.646 | | 0.0294 | ug/L | 0.588 | 0.0685 | 98.3 | 60-140 | | |
| Dieldrin | 0.540 | | 0.0294 | ug/L | 0.588 | 0.0315 | 86.5 | 60-140 | | |
| Endosulfan I | 0.377 | | 0.0294 | ug/L | 0.588 | <0.0294 | 64.2 | 60-140 | | |
| Endosulfan II | 0.505 | | 0.0294 | ug/L | 0.588 | <0.0294 | 86.0 | 60-140 | | |
| Endosulfan sulfate | 0.629 | | 0.0294 | ug/L | 0.588 | <0.0294 | 107 | 60-140 | | |
| Endrin | 0.538 | | 0.0294 | ug/L | 0.588 | <0.0294 | 91.5 | 60-140 | | |
| Endrin aldehyde | 0.600 | | 0.0294 | ug/L | 0.588 | <0.0294 | 102 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0541 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0541-MS1)** | | **Source: 22B3792-01** | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| Endrin ketone | 0.669 | | 0.0294 | ug/L | 0.588 | <0.0294 | 114 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.640 | | 0.0294 | ug/L | 0.588 | <0.0294 | 109 | 60-140 | | |
| gamma-Chlordane | 0.493 | | 0.0294 | ug/L | 0.588 | 0.0851 | 69.4 | 60-140 | | |
| Heptachlor | 0.687 | | 0.0294 | ug/L | 0.588 | 0.110 | 98.1 | 60-140 | | |
| Heptachlor epoxide | 0.536 | | 0.0294 | ug/L | 0.588 | <0.0294 | 91.2 | 60-140 | | |
| Methoxychlor | 0.652 | | 0.0294 | ug/L | 0.588 | <0.0294 | 111 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.723* | *ug/L* | *0.588* | | *123* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.659* | *ug/L* | *0.588* | | *112* | *60-140* | | |
| **Matrix Spike Dup (BFC0541-MSD1)** | | **Source: 22B3792-01** | | | Prepared: 3/3/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | 0.601 | | 0.0295 | ug/L | 0.589 | <0.0295 | 102 | 60-140 | 7.16 | 40 |
| 4,4'-DDE | 0.421 | | 0.0295 | ug/L | 0.589 | 0.0423 | 64.2 | 60-140 | 2.88 | 40 |
| 4,4'-DDT | 0.565 | | 0.0295 | ug/L | 0.589 | 0.192 | 63.3 | 60-140 | 3.52 | 40 |
| Aldrin | 0.465 | | 0.0295 | ug/L | 0.589 | <0.0295 | 78.8 | 60-140 | 2.68 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.764 | | 0.0295 | ug/L | 0.589 | 0.0393 | 123 | 60-140 | 6.99 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.710 | | 0.0295 | ug/L | 0.589 | <0.0295 | 120 | 60-140 | 6.67 | 40 |
| Chlordane (tech.) | 2.23 | | 0.0295 | ug/L | 2.36 | 0.214 | 85.4 | 60-140 | 5.45 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.412 | | 0.0295 | ug/L | 0.589 | <0.0295 | 69.9 | 60-140 | 5.11 | 40 |
| delta-BHC | 0.704 | | 0.0295 | ug/L | 0.589 | 0.0685 | 108 | 60-140 | 8.61 | 40 |
| Dieldrin | 0.583 | | 0.0295 | ug/L | 0.589 | 0.0315 | 93.6 | 60-140 | 7.72 | 40 |
| Endosulfan I | 0.413 | | 0.0295 | ug/L | 0.589 | <0.0295 | 70.1 | 60-140 | 9.18 | 40 |
| Endosulfan II | 0.558 | | 0.0295 | ug/L | 0.589 | <0.0295 | 94.7 | 60-140 | 9.90 | 40 |
| Endosulfan sulfate | 0.682 | | 0.0295 | ug/L | 0.589 | <0.0295 | 116 | 60-140 | 8.05 | 40 |
| Endrin | 0.589 | | 0.0295 | ug/L | 0.589 | <0.0295 | 99.9 | 60-140 | 9.03 | 40 |
| Endrin aldehyde | 0.647 | | 0.0295 | ug/L | 0.589 | <0.0295 | 110 | 60-140 | 7.62 | 40 |
| Endrin ketone | 0.729 | | 0.0295 | ug/L | 0.589 | <0.0295 | 124 | 60-140 | 8.59 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.697 | | 0.0295 | ug/L | 0.589 | <0.0295 | 118 | 60-140 | 8.45 | 40 |
| gamma-Chlordane | 0.516 | | 0.0295 | ug/L | 0.589 | 0.0851 | 73.1 | 60-140 | 4.55 | 40 |
| Heptachlor | 0.732 | | 0.0295 | ug/L | 0.589 | 0.110 | 106 | 60-140 | 6.37 | 40 |
| Heptachlor epoxide | 0.566 | | 0.0295 | ug/L | 0.589 | <0.0295 | 96.0 | 60-140 | 5.34 | 40 |
| Methoxychlor | 0.690 | | 0.0295 | ug/L | 0.589 | <0.0295 | 117 | 60-140 | 5.77 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.794* | *ug/L* | *0.589* | | *135* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.658* | *ug/L* | *0.589* | | *112* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0727 - TX 1005*** | | | | | | | | | | |
| **Blank (BFC0727-BLK1)** | | | | Prepared: 3/4/2022 Analyzed: 3/11/2022 | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <8.98 | U | 8.98 | mg/kg wet | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *206* | *mg/kg wet* | *250* | | *82.6* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *244* | *mg/kg wet* | *250* | | *97.7* | *70-130* | | |
| **Blank (BFC0727-BLK2)** | | | | Prepared: 3/4/2022 Analyzed: 3/18/2022 | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 9.14 | | 8.98 | mg/kg wet | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *253* | *mg/kg wet* | *250* | | *102* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *240* | *mg/kg wet* | *250* | | *96.4* | *70-130* | | |
| **LCS (BFC0727-BS1)** | | | | Prepared: 3/4/2022 Analyzed: 3/11/2022 | | | | | | |
| C6-C12 | 242 | | 4.48 | mg/kg wet | 249 | | 97.1 | 75-125 | | |
| >C12-C28 | 128 | J1 | 4.48 | mg/kg wet | 249 | | 51.4 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 359 | J1 | 8.96 | mg/kg wet | 498 | | 72.1 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *183* | *mg/kg wet* | *249* | | *73.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *239* | *mg/kg wet* | *249* | | *96.0* | *70-130* | | |
| **LCS (BFC0727-BS2)** | | | | Prepared: 3/4/2022 Analyzed: 3/18/2022 | | | | | | |
| C6-C12 | 254 | | 4.48 | mg/kg wet | 249 | | 102 | 75-125 | | |
| >C12-C28 | 191 | | 4.48 | mg/kg wet | 249 | | 76.6 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 448 | | 8.96 | mg/kg wet | 498 | | 90.1 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *229* | *mg/kg wet* | *249* | | *92.2* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *247* | *mg/kg wet* | *249* | | *99.1* | *70-130* | | |
| **LCS Dup (BFC0727-BSD1)** | | | | Prepared: 3/4/2022 Analyzed: 3/11/2022 | | | | | | |
| C6-C12 | 247 | | 4.49 | mg/kg wet | 249 | | 99.3 | 75-125 | 2.36 | 20 |
| >C12-C28 | 117 | J1 | 4.49 | mg/kg wet | 249 | | 46.9 | 75-125 | 8.83 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 352 | J1 | 8.97 | mg/kg wet | 499 | | 70.6 | 75-125 | 1.86 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *176* | *mg/kg wet* | *249* | | *70.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *231* | *mg/kg wet* | *249* | | *92.9* | *70-130* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0727 - TX 1005 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC0727-BSD2)** | | | | | Prepared: 3/4/2022 Analyzed: 3/18/2022 | | | | | |
| C6-C12 | 268 | | 4.49 | mg/kg wet | 249 | | 107 | 75-125 | 5.18 | 20 |
| >C12-C28 | 226 | | 4.49 | mg/kg wet | 249 | | 90.7 | 75-125 | 17.1 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 498 | | 8.97 | mg/kg wet | 499 | | 100 | 75-125 | 10.6 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *252* | *mg/kg wet* | *249* | | *101* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *244* | *mg/kg wet* | *249* | | *97.9* | *70-130* | | |
| **MRL Check (BFC0727-MRL1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 10.3 | J1 | 4.46 | mg/kg wet | 4.96 | | 208 | 50-150 | | |
| >C12-C28 | <4.46 | J1, U | 4.46 | mg/kg wet | 4.96 | | | 50-150 | | |
| >C12-C35 | <4.46 | U | 4.46 | mg/kg wet | | | | 50-150 | | |
| >C28-C35 | <4.46 | U | 4.46 | mg/kg wet | | | | 50-150 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 5.57 | J | 8.93 | mg/kg wet | 9.92 | | 56.1 | 50-150 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *165* | *mg/kg wet* | *248* | | *66.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *229* | *mg/kg wet* | *248* | | *92.2* | *70-130* | | |
| **MRL Check (BFC0727-MRL2)** | | | | | Prepared: 3/4/2022 Analyzed: 3/18/2022 | | | | | |
| C6-C12 | 4.77 | | 4.46 | mg/kg wet | 4.96 | | 96.2 | 50-150 | | |
| >C12-C28 | 13.0 | J1 | 4.46 | mg/kg wet | 4.96 | | 261 | 50-150 | | |
| >C12-C35 | 13.0 | | 4.46 | mg/kg wet | | | | 50-150 | | |
| >C28-C35 | <4.46 | U | 4.46 | mg/kg wet | | | | 50-150 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 16.6 | J1 | 8.93 | mg/kg wet | 9.92 | | 168 | 50-150 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *253* | *mg/kg wet* | *248* | | *102* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *246* | *mg/kg wet* | *248* | | *99.3* | *70-130* | | |
| **Matrix Spike (BFC0727-MS1)** | **Source: 22A3944-29** | | | | Prepared: 3/4/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 246 | | 5.36 | mg/kg dry | 298 | <5.36 | 82.5 | 75-125 | | |
| >C12-C28 | 149 | J1 | 5.36 | mg/kg dry | 298 | <5.36 | 50.0 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 386 | J1 | 10.7 | mg/kg dry | 596 | <10.7 | 64.8 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *220* | *mg/kg dry* | *298* | | *73.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *278* | *mg/kg dry* | *298* | | *93.4* | *70-130* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0727 - TX 1005 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0727-MS2)** | | | **Source: 22A3944-29RE1** | | Prepared: 3/4/2022 Analyzed: 3/18/2022 | | | | | |
| C6-C12 | 267 | | 5.36 | mg/kg dry | 298 | <5.36 | 89.5 | 75-125 | | |
| >C12-C28 | 225 | J1 | 5.36 | mg/kg dry | 298 | 3.37 | 74.5 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 494 | | 10.7 | mg/kg dry | 596 | 3.81 | 82.2 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *284* | *mg/kg dry* | *298* | | *95.2* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *282* | *mg/kg dry* | *298* | | *94.6* | *70-130* | | |
| **Matrix Spike Dup (BFC0727-MSD1)** | | | **Source: 22A3944-29** | | Prepared: 3/4/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 248 | | 5.41 | mg/kg dry | 301 | <5.41 | 82.5 | 75-125 | 0.892 | 20 |
| >C12-C28 | 139 | J1 | 5.41 | mg/kg dry | 301 | <5.41 | 46.3 | 75-125 | 6.93 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 377 | J1 | 10.8 | mg/kg dry | 601 | <10.8 | 62.7 | 75-125 | 2.34 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *194* | *mg/kg dry* | *301* | | *64.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *270* | *mg/kg dry* | *301* | | *89.7* | *70-130* | | |
| **Matrix Spike Dup (BFC0727-MSD2)** | | | **Source: 22A3944-29RE1** | | Prepared: 3/4/2022 Analyzed: 3/18/2022 | | | | | |
| C6-C12 | 245 | | 5.41 | mg/kg dry | 301 | <5.41 | 81.6 | 75-125 | 8.38 | 20 |
| >C12-C28 | 188 | J1 | 5.41 | mg/kg dry | 301 | 3.37 | 61.3 | 75-125 | 18.3 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 434 | J1 | 10.8 | mg/kg dry | 601 | 3.81 | 71.5 | 75-125 | 12.9 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *241* | *mg/kg dry* | *301* | | *80.3* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *270* | *mg/kg dry* | *301* | | *89.7* | *70-130* | | |
| ***Batch: BFC0779 - SW-3511*** | | | | | | | | | | |
| **Blank (BFC0779-BLK1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| PCBs, Total | <0.119 | U | 0.119 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0969* | *ug/L* | *0.119* | | *81.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.108* | *ug/L* | *0.119* | | *90.7* | *60-140* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0779 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC0779-BS1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.24 | | 0.119 | ug/L | 1.19 | | 104 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 1.32 | | 0.119 | ug/L | 1.19 | | 111 | 60-140 | | |
| PCBs, Total | 1.30 | | 0.119 | ug/L | 1.19 | | 109 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0823* | *ug/L* | *0.119* | | *69.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.104* | *ug/L* | *0.119* | | *87.0* | *60-140* | | |
| **LCS Dup (BFC0779-BSD1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.25 | | 0.120 | ug/L | 1.20 | | 104 | 60-140 | 0.892 | 40 |
| Aroclor-1260 (PCB-1260) | 1.34 | | 0.120 | ug/L | 1.20 | | 112 | 60-140 | 1.62 | 40 |
| PCBs, Total | 1.32 | | 0.120 | ug/L | 1.20 | | 110 | 60-140 | 1.47 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.116* | *ug/L* | *0.120* | | *96.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.120* | *ug/L* | *0.120* | | *100* | *60-140* | | |
| **BFB1944-LBK (BFC0779-LBK1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/9/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1221 (PCB-1221) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1232 (PCB-1232) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1242 (PCB-1242) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1248 (PCB-1248) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1254 (PCB-1254) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1260 (PCB-1260) | <0.120 | U | 0.120 | ug/L | | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.105* | *ug/L* | *0.120* | | *87.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0443* | *ug/L* | *0.120* | | *36.9* | *60-140* | | |
| **BFB3010-LBK (BFC0779-LBK2)** | | | | | Prepared: 3/4/2022 Analyzed: 3/9/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1221 (PCB-1221) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1232 (PCB-1232) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1242 (PCB-1242) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1248 (PCB-1248) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1254 (PCB-1254) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1260 (PCB-1260) | <0.120 | U | 0.120 | ug/L | | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.100* | *ug/L* | *0.120* | | *83.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0250* | *ug/L* | *0.120* | | *20.8* | *60-140* | | |

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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0779 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFB3292-LBK (BFC0779-LBK3)** | | | | | Prepared: 3/4/2022 Analyzed: 3/9/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1221 (PCB-1221) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1232 (PCB-1232) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1242 (PCB-1242) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1248 (PCB-1248) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1254 (PCB-1254) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1260 (PCB-1260) | <0.120 | U | 0.120 | ug/L | | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.106* | *ug/L* | *0.120* | | *88.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0337* | *ug/L* | *0.120* | | *28.1* | *60-140* | | |
| **BFC0552-LBK (BFC0779-LBK4)** | | | | | Prepared: 3/4/2022 Analyzed: 3/9/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1221 (PCB-1221) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1232 (PCB-1232) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1242 (PCB-1242) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1248 (PCB-1248) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1254 (PCB-1254) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1260 (PCB-1260) | <0.120 | U | 0.120 | ug/L | | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.113* | *ug/L* | *0.120* | | *94.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0752* | *ug/L* | *0.120* | | *62.6* | *60-140* | | |
| **MDL (BFC0779-MRL1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 0.194 | | 0.119 | ug/L | 0.238 | | 81.3 | 50-150 | | |
| Aroclor-1221 (PCB-1221) | <0.119 | U | 0.119 | ug/L | | | | 50-150 | | |
| Aroclor-1232 (PCB-1232) | <0.119 | U | 0.119 | ug/L | | | | 50-150 | | |
| Aroclor-1242 (PCB-1242) | <0.119 | U | 0.119 | ug/L | | | | 50-150 | | |
| Aroclor-1248 (PCB-1248) | <0.119 | U | 0.119 | ug/L | | | | 50-150 | | |
| Aroclor-1254 (PCB-1254) | <0.119 | U | 0.119 | ug/L | | | | 50-150 | | |
| Aroclor-1260 (PCB-1260) | 0.280 | | 0.119 | ug/L | 0.238 | | 118 | 50-150 | | |
| PCBs, Total | 0.261 | | 0.119 | ug/L | 0.238 | | 110 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0979* | *ug/L* | *0.119* | | *82.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.108* | *ug/L* | *0.119* | | *90.3* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0779 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0779-MS1)** | | **Source: 22A3944-21** | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.22 | | 0.120 | ug/L | 1.20 | <0.120 | 102 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 1.21 | | 0.120 | ug/L | 1.20 | <0.120 | 101 | 60-140 | | |
| PCBs, Total | 1.21 | | 0.120 | ug/L | 1.20 | <0.120 | 101 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.104* | *ug/L* | *0.120* | | *86.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0939* | *ug/L* | *0.120* | | *78.3* | *60-140* | | |
| **Matrix Spike Dup (BFC0779-MSD1)** | | **Source: 22A3944-21** | | | Prepared: 3/4/2022 Analyzed: 3/9/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.25 | | 0.120 | ug/L | 1.20 | <0.120 | 104 | 60-140 | 2.74 | 40 |
| Aroclor-1260 (PCB-1260) | 1.19 | | 0.120 | ug/L | 1.20 | <0.120 | 98.9 | 60-140 | 2.29 | 40 |
| PCBs, Total | 1.20 | | 0.120 | ug/L | 1.20 | <0.120 | 100 | 60-140 | 1.15 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.104* | *ug/L* | *0.120* | | *86.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0996* | *ug/L* | *0.120* | | *83.0* | *60-140* | | |
| ***Batch: BFC0961 - SW-3570*** | | | | | | | | | | |
| **Blank (BFC0961-BLK1)** | | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| 4,4'-DDE | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| 4,4'-DDT | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Aldrin | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Chlordane (tech.) | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| delta-BHC | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Dieldrin | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Endosulfan I | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Endosulfan II | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Endosulfan sulfate | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Endrin | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Endrin aldehyde | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Endrin ketone | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| gamma-Chlordane | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Heptachlor | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Heptachlor epoxide | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Methoxychlor | <0.963 | U | 0.963 | ug/kg wet | | | | | | |
| Toxaphene (Chlorinated Camphene) | <14.5 | U | 14.5 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.51* | *ug/kg wet* | *5.78* | | *95.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.15* | *ug/kg wet* | *5.78* | | *106* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0961 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFC0961-BS1)** | | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| 4,4'-DDE | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| 4,4'-DDT | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Aldrin | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Chlordane (tech.) | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| delta-BHC | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Dieldrin | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Endosulfan I | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Endosulfan II | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Endosulfan sulfate | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Endrin | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Endrin aldehyde | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Endrin ketone | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| gamma-Chlordane | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Heptachlor | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Heptachlor epoxide | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Methoxychlor | <0.993 | U | 0.993 | ug/kg wet | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 65.1 | | 14.9 | ug/kg wet | 59.6 | | 109 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.15* | *ug/kg wet* | *5.96* | | *86.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.21* | *ug/kg wet* | *5.96* | | *104* | *60-140* | | |
| **LCS (BFC0961-BS2)** | | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | 5.26 | | 0.982 | ug/kg wet | 5.89 | | 89.2 | 60-140 | | |
| 4,4'-DDE | 5.19 | | 0.982 | ug/kg wet | 5.89 | | 88.0 | 60-140 | | |
| 4,4'-DDT | 4.51 | | 0.982 | ug/kg wet | 5.89 | | 76.6 | 60-140 | | |
| Aldrin | 5.32 | | 0.982 | ug/kg wet | 5.89 | | 90.2 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 6.40 | | 0.982 | ug/kg wet | 5.89 | | 109 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 5.79 | | 0.982 | ug/kg wet | 5.89 | | 98.2 | 60-140 | | |
| Chlordane (tech.) | 20.5 | | 0.982 | ug/kg wet | 23.6 | | 87.1 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 5.43 | | 0.982 | ug/kg wet | 5.89 | | 92.1 | 60-140 | | |
| delta-BHC | 5.56 | | 0.982 | ug/kg wet | 5.89 | | 94.4 | 60-140 | | |
| Dieldrin | 4.94 | | 0.982 | ug/kg wet | 5.89 | | 83.8 | 60-140 | | |
| Endosulfan I | 4.19 | | 0.982 | ug/kg wet | 5.89 | | 71.1 | 60-140 | | |
| Endosulfan II | 4.56 | | 0.982 | ug/kg wet | 5.89 | | 77.3 | 60-140 | | |
| Endosulfan sulfate | 4.92 | | 0.982 | ug/kg wet | 5.89 | | 83.5 | 60-140 | | |
| Endrin | 4.19 | | 0.982 | ug/kg wet | 5.89 | | 71.2 | 60-140 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0961 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFC0961-BS2)** | | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| Endrin aldehyde | 4.48 | | 0.982 | ug/kg wet | 5.89 | | 76.0 | 60-140 | | |
| Endrin ketone | 5.28 | | 0.982 | ug/kg wet | 5.89 | | 89.6 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 5.76 | | 0.982 | ug/kg wet | 5.89 | | 97.8 | 60-140 | | |
| gamma-Chlordane | 5.17 | | 0.982 | ug/kg wet | 5.89 | | 87.6 | 60-140 | | |
| Heptachlor | 5.11 | | 0.982 | ug/kg wet | 5.89 | | 86.7 | 60-140 | | |
| Heptachlor epoxide | 4.83 | | 0.982 | ug/kg wet | 5.89 | | 81.9 | 60-140 | | |
| Methoxychlor | 4.52 | | 0.982 | ug/kg wet | 5.89 | | 76.7 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <14.7 | U | 14.7 | ug/kg wet | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.23* | *ug/kg wet* | *5.89* | | *88.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.42* | *ug/kg wet* | *5.89* | | *109* | *60-140* | | |
| **LCS Dup (BFC0961-BSD1)** | | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Aldrin | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| delta-BHC | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Dieldrin | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Endosulfan I | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Endosulfan II | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Endrin | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Endrin aldehyde | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Endrin ketone | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Heptachlor | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Methoxychlor | <0.999 | U | 0.999 | ug/kg wet | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 60.1 | | 15.0 | ug/kg wet | 59.9 | | 100 | 60-140 | 8.06 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.63* | *ug/kg wet* | *5.99* | | *77.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.68* | *ug/kg wet* | *5.99* | | *94.7* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0961 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC0961-BSD2)** | | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | 5.05 | | 0.948 | ug/kg wet | 5.69 | | 88.7 | 60-140 | 4.06 | 40 |
| 4,4'-DDE | 5.02 | | 0.948 | ug/kg wet | 5.69 | | 88.3 | 60-140 | 3.27 | 40 |
| 4,4'-DDT | 4.28 | | 0.948 | ug/kg wet | 5.69 | | 75.3 | 60-140 | 5.23 | 40 |
| Aldrin | 5.11 | | 0.948 | ug/kg wet | 5.69 | | 89.9 | 60-140 | 3.91 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 6.23 | | 0.948 | ug/kg wet | 5.69 | | 110 | 60-140 | 2.71 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 5.63 | | 0.948 | ug/kg wet | 5.69 | | 98.9 | 60-140 | 2.82 | 40 |
| Chlordane (tech.) | 19.7 | | 0.948 | ug/kg wet | 22.7 | | 86.5 | 60-140 | 4.29 | 40 |
| cis-Chlordane (alpha-Chlordane) | 5.18 | | 0.948 | ug/kg wet | 5.69 | | 91.2 | 60-140 | 4.57 | 40 |
| delta-BHC | 5.36 | | 0.948 | ug/kg wet | 5.69 | | 94.2 | 60-140 | 3.78 | 40 |
| Dieldrin | 4.72 | | 0.948 | ug/kg wet | 5.69 | | 83.0 | 60-140 | 4.48 | 40 |
| Endosulfan I | 3.94 | | 0.948 | ug/kg wet | 5.69 | | 69.3 | 60-140 | 6.19 | 40 |
| Endosulfan II | 4.34 | | 0.948 | ug/kg wet | 5.69 | | 76.3 | 60-140 | 4.91 | 40 |
| Endosulfan sulfate | 4.71 | | 0.948 | ug/kg wet | 5.69 | | 82.8 | 60-140 | 4.53 | 40 |
| Endrin | 4.00 | | 0.948 | ug/kg wet | 5.69 | | 70.3 | 60-140 | 4.81 | 40 |
| Endrin aldehyde | 4.27 | | 0.948 | ug/kg wet | 5.69 | | 75.0 | 60-140 | 4.87 | 40 |
| Endrin ketone | 5.03 | | 0.948 | ug/kg wet | 5.69 | | 88.4 | 60-140 | 4.94 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 5.59 | | 0.948 | ug/kg wet | 5.69 | | 98.3 | 60-140 | 3.11 | 40 |
| gamma-Chlordane | 4.93 | | 0.948 | ug/kg wet | 5.69 | | 86.6 | 60-140 | 4.72 | 40 |
| Heptachlor | 4.96 | | 0.948 | ug/kg wet | 5.69 | | 87.3 | 60-140 | 2.86 | 40 |
| Heptachlor epoxide | 4.59 | | 0.948 | ug/kg wet | 5.69 | | 80.7 | 60-140 | 5.04 | 40 |
| Methoxychlor | 4.31 | | 0.948 | ug/kg wet | 5.69 | | 75.9 | 60-140 | 4.72 | 40 |
| Toxaphene (Chlorinated Camphene) | <14.2 | U | 14.2 | ug/kg wet | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.12* | *ug/kg wet* | *5.69* | | *90.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.20* | *ug/kg wet* | *5.69* | | *109* | *60-140* | | |
| **MDL TOX (BFC0961-MRL1)** | | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| 4,4'-DDE | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| 4,4'-DDT | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Aldrin | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Chlordane (tech.) | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| delta-BHC | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Dieldrin | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Endosulfan I | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Endosulfan II | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Endosulfan sulfate | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Endrin | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Endrin aldehyde | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0961 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL TOX (BFC0961-MRL1)** | | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| Endrin ketone | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| gamma-Chlordane | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Heptachlor | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Heptachlor epoxide | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Methoxychlor | <0.985 | U | 0.985 | ug/kg wet | | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | <14.8 | U | 14.8 | ug/kg wet | 14.8 | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.81* | *ug/kg wet* | *5.91* | | *81.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.71* | *ug/kg wet* | *5.91* | | *96.7* | *60-140* | | |
| **MDL OCP (BFC0961-MRL2)** | | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | 0.303 | J | 0.985 | ug/kg wet | 0.394 | | 76.9 | 50-150 | | |
| 4,4'-DDE | 0.378 | J | 0.985 | ug/kg wet | 0.394 | | 96.0 | 50-150 | | |
| 4,4'-DDT | <0.985 | U | 0.985 | ug/kg wet | 0.394 | | | 50-150 | | |
| Aldrin | <0.985 | U | 0.985 | ug/kg wet | 0.394 | | | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.430 | J | 0.985 | ug/kg wet | 0.394 | | 109 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.985 | U | 0.985 | ug/kg wet | 0.394 | | | 50-150 | | |
| Chlordane (tech.) | 1.21 | | 0.985 | ug/kg wet | 1.58 | | 76.9 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.402 | J | 0.985 | ug/kg wet | 0.394 | | 102 | 50-150 | | |
| delta-BHC | 0.325 | J | 0.985 | ug/kg wet | 0.394 | | 82.4 | 50-150 | | |
| Dieldrin | 0.373 | J | 0.985 | ug/kg wet | 0.394 | | 94.6 | 50-150 | | |
| Endosulfan I | 0.317 | J | 0.985 | ug/kg wet | 0.394 | | 80.3 | 50-150 | | |
| Endosulfan II | 0.353 | J | 0.985 | ug/kg wet | 0.394 | | 89.6 | 50-150 | | |
| Endosulfan sulfate | 0.364 | J | 0.985 | ug/kg wet | 0.394 | | 92.3 | 50-150 | | |
| Endrin | 0.299 | J | 0.985 | ug/kg wet | 0.394 | | 76.0 | 50-150 | | |
| Endrin aldehyde | 0.336 | J | 0.985 | ug/kg wet | 0.394 | | 85.3 | 50-150 | | |
| Endrin ketone | 0.418 | J | 0.985 | ug/kg wet | 0.394 | | 106 | 50-150 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.419 | J | 0.985 | ug/kg wet | 0.394 | | 106 | 50-150 | | |
| gamma-Chlordane | <0.985 | U | 0.985 | ug/kg wet | 0.394 | | | 50-150 | | |
| Heptachlor | <0.985 | U | 0.985 | ug/kg wet | 0.394 | | | 50-150 | | |
| Heptachlor epoxide | 0.385 | J | 0.985 | ug/kg wet | 0.394 | | 97.6 | 50-150 | | |
| Methoxychlor | <0.985 | U | 0.985 | ug/kg wet | 0.394 | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | <14.8 | U | 14.8 | ug/kg wet | | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.97* | *ug/kg wet* | *5.91* | | *84.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.47* | *ug/kg wet* | *5.91* | | *109* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0961 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0961-MS1)** | **Source: 22A3944-29** | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | 6.26 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 90.6 | 60-140 | | |
| 4,4'-DDE | 6.16 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 89.2 | 60-140 | | |
| 4,4'-DDT | 5.26 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 76.2 | 60-140 | | |
| Aldrin | 6.23 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 90.2 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 7.79 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 113 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 7.08 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 103 | 60-140 | | |
| Chlordane (tech.) | 23.8 | | 1.15 | ug/kg dry | 27.6 | <1.15 | 86.2 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 6.26 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 90.6 | 60-140 | | |
| delta-BHC | 6.81 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 98.6 | 60-140 | | |
| Dieldrin | 5.80 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 84.0 | 60-140 | | |
| Endosulfan I | 4.82 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 69.8 | 60-140 | | |
| Endosulfan II | 5.39 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 78.0 | 60-140 | | |
| Endosulfan sulfate | 5.99 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 86.7 | 60-140 | | |
| Endrin | 5.12 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 74.1 | 60-140 | | |
| Endrin aldehyde | 5.38 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 78.0 | 60-140 | | |
| Endrin ketone | 6.31 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 91.4 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 6.94 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 100 | 60-140 | | |
| gamma-Chlordane | 6.11 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 88.5 | 60-140 | | |
| Heptachlor | 5.62 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 81.3 | 60-140 | | |
| Heptachlor epoxide | 5.82 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 84.2 | 60-140 | | |
| Methoxychlor | 5.59 | | 1.15 | ug/kg dry | 6.91 | <1.15 | 81.0 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *7.24* | *ug/kg dry* | *6.91* | | *105* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *7.33* | *ug/kg dry* | *6.91* | | *106* | *60-140* | | |
| **Matrix Spike Dup (BFC0961-MSD1)** | **Source: 22A3944-29** | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| 4,4'-DDD | 6.28 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 90.6 | 60-140 | 0.286 | 40 |
| 4,4'-DDE | 6.19 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 89.4 | 60-140 | 0.572 | 40 |
| 4,4'-DDT | 5.32 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 76.7 | 60-140 | 1.05 | 40 |
| Aldrin | 6.25 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 90.2 | 60-140 | 0.231 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 7.91 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 114 | 60-140 | 1.49 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 7.06 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 102 | 60-140 | 0.325 | 40 |
| Chlordane (tech.) | 23.8 | | 1.15 | ug/kg dry | 27.7 | <1.15 | 86.0 | 60-140 | 0.0523 | 40 |
| cis-Chlordane (alpha-Chlordane) | 6.29 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 90.8 | 60-140 | 0.424 | 40 |
| delta-BHC | 6.77 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 97.7 | 60-140 | 0.661 | 40 |
| Dieldrin | 5.82 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 84.0 | 60-140 | 0.256 | 40 |
| Endosulfan I | 4.84 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 69.8 | 60-140 | 0.322 | 40 |
| Endosulfan II | 5.37 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 77.6 | 60-140 | 0.305 | 40 |
| Endosulfan sulfate | 6.07 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 87.6 | 60-140 | 1.26 | 40 |
| Endrin | 5.10 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 73.6 | 60-140 | 0.357 | 40 |
| Endrin aldehyde | 5.42 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 78.3 | 60-140 | 0.696 | 40 |
| Endrin ketone | 6.26 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 90.4 | 60-140 | 0.880 | 40 |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0961 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC0961-MSD1)** | **Source: 22A3944-29** | | | | Prepared: 3/7/2022 Analyzed: 3/10/2022 | | | | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 6.99 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 101 | 60-140 | 0.738 | 40 |
| gamma-Chlordane | 6.13 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 88.6 | 60-140 | 0.343 | 40 |
| Heptachlor | 5.62 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 81.2 | 60-140 | 0.151 | 40 |
| Heptachlor epoxide | 5.77 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 83.4 | 60-140 | 0.752 | 40 |
| Methoxychlor | 5.55 | | 1.15 | ug/kg dry | 6.93 | <1.15 | 80.2 | 60-140 | 0.682 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *6.91* | *ug/kg dry* | *6.93* | | *99.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *7.22* | *ug/kg dry* | *6.93* | | *104* | *60-140* | | |
| ***Batch: BFC1098 - TX 1005 ELUT*** | | | | | | | | | | |
| **Blank (BFC1098-BLK1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.59 | U | 4.59 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *18.7* | *mg/L* | *30.6* | | *61.1* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.4* | *mg/L* | *30.6* | | *89.5* | *70-130* | | |
| **Blank (BFC1098-BLK2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <9.18 | U | 9.18 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *24.6* | *mg/L* | *30.6* | | *80.3* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.7* | *mg/L* | *30.6* | | *87.2* | *70-130* | | |
| **LCS (BFC1098-BS1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 32.4 | | 2.39 | mg/L | 31.8 | | 102 | 75-125 | | |
| >C12-C28 | 21.5 | J1 | 2.39 | mg/L | 31.8 | | 67.6 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 53.0 | | 4.78 | mg/L | 63.7 | | 83.2 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *22.1* | *mg/L* | *31.8* | | *69.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *29.2* | *mg/L* | *31.8* | | *91.7* | *70-130* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1098 - TX 1005 ELUT (Continued)*** | | | | | | | | | | |
| **LCS (BFC1098-BS2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| C6-C12 | 31.3 | | 4.78 | mg/L | 31.8 | | 98.2 | 75-125 | | |
| >C12-C28 | 26.8 | | 4.78 | mg/L | 31.8 | | 84.3 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 59.3 | | 9.55 | mg/L | 63.7 | | 93.1 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *27.9* | *mg/L* | *31.8* | | *87.6* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *28.8* | *mg/L* | *31.8* | | *90.3* | *70-130* | | |
| **LCS Dup (BFC1098-BSD1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 30.6 | | 2.38 | mg/L | 31.8 | | 96.3 | 75-125 | 5.75 | 20 |
| >C12-C28 | 19.4 | J1 | 2.38 | mg/L | 31.8 | | 61.2 | 75-125 | 10.1 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 49.1 | | 4.77 | mg/L | 63.6 | | 77.2 | 75-125 | 7.69 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | *S* | | *19.1* | *mg/L* | *31.8* | | *60.1* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *28.1* | *mg/L* | *31.8* | | *88.5* | *70-130* | | |
| **LCS Dup (BFC1098-BSD2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| C6-C12 | 32.8 | | 4.77 | mg/L | 31.8 | | 103 | 75-125 | 4.89 | 20 |
| >C12-C28 | 27.3 | | 4.77 | mg/L | 31.8 | | 85.9 | 75-125 | 1.77 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 61.4 | | 9.54 | mg/L | 63.6 | | 96.6 | 75-125 | 3.59 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *25.6* | *mg/L* | *31.8* | | *80.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *29.0* | *mg/L* | *31.8* | | *91.3* | *70-130* | | |
| **BFC0552-LBK (BFC1098-LBK1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | <2.30 | U | 2.30 | mg/L | | | | | | |
| >C12-C28 | <2.30 | U | 2.30 | mg/L | | | | | | |
| >C12-C35 | <2.30 | U | 2.30 | mg/L | | | | | | |
| >C28-C35 | <2.30 | U | 2.30 | mg/L | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.61 | U | 4.61 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | *S* | | *19.1* | *mg/L* | *30.7* | | *62.3* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.0* | *mg/L* | *30.7* | | *84.7* | *70-130* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1098 - TX 1005 ELUT (Continued)*** | | | | | | | | | | |
| **MDL (BFC1098-MRL1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 0.000954 | J1, J | 2.38 | mg/L | 0.238 | | 0.400 | | | |
| >C12-C28 | <2.38 | J1, U | 2.38 | mg/L | 0.238 | | | | | |
| >C12-C35 | <2.38 | U | 2.38 | mg/L | | | | | | |
| >C28-C35 | <2.38 | U | 2.38 | mg/L | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.77 | U | 4.77 | mg/L | 0.477 | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *22.2* | *mg/L* | *31.8* | | *69.9* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *28.2* | *mg/L* | *31.8* | | *88.8* | *70-130* | | |
| **MDL (BFC1098-MRL2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| C6-C12 | <4.77 | U | 4.77 | mg/L | 0.238 | | | | | |
| >C12-C28 | 0.418 | J | 4.77 | mg/L | 0.238 | | 175 | | | |
| >C12-C35 | 0.418 | J | 4.77 | mg/L | | | | | | |
| >C28-C35 | <4.77 | U | 4.77 | mg/L | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 0.421 | J | 9.54 | mg/L | 0.477 | | 88.2 | 50-150 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *27.2* | *mg/L* | *31.8* | | *85.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.7* | *mg/L* | *31.8* | | *87.1* | *70-130* | | |
| **Matrix Spike (BFC1098-MS1)** | | **Source: 22A3944-20** | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 30.1 | | 2.25 | mg/L | 30.1 | <2.25 | 100 | 75-125 | | |
| >C12-C28 | 17.8 | J1 | 2.25 | mg/L | 30.1 | <2.25 | 59.2 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 46.8 | | 4.51 | mg/L | 60.1 | <4.51 | 77.9 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *20.2* | *mg/L* | *30.1* | | *67.1* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.6* | *mg/L* | *30.1* | | *88.4* | *70-130* | | |
| **Matrix Spike (BFC1098-MS2)** | | **Source: 22A3944-20RE1** | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| C6-C12 | 30.9 | | 4.64 | mg/L | 30.9 | <4.64 | 99.8 | 75-125 | | |
| >C12-C28 | 25.8 | | 4.64 | mg/L | 30.9 | <4.64 | 83.3 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 57.7 | | 9.28 | mg/L | 61.9 | <9.28 | 93.3 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *24.0* | *mg/L* | *30.9* | | *77.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *28.3* | *mg/L* | *30.9* | | *91.6* | *70-130* | | |

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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1098 - TX 1005 ELUT (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1098-MSD1)** | **Source: 22A3944-20** | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 29.4 | | 2.32 | mg/L | 30.9 | <2.32 | 95.1 | 75-125 | 2.42 | 20 |
| >C12-C28 | 18.8 | J1 | 2.32 | mg/L | 30.9 | <2.32 | 60.8 | 75-125 | 5.47 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 47.2 | | 4.64 | mg/L | 61.9 | <4.64 | 76.4 | 75-125 | 0.882 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *20.0* | *mg/L* | *30.9* | | *64.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.8* | *mg/L* | *30.9* | | *89.9* | *70-130* | | |
| ***Batch: BFC1112 - SW-3511*** | | | | | | | | | | |
| **Blank (BFC1112-BLK1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDE | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDT | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Aldrin | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Chlordane (tech.) | 0.0161 | R | 0.00595 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| delta-BHC | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Dieldrin | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endosulfan I | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endosulfan II | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endrin | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endrin aldehyde | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endrin ketone | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| gamma-Chlordane | 0.00750 | R | 0.00595 | ug/L | | | | | | |
| Heptachlor | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Methoxychlor | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | R, U | 0.298 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *R, S* | *0.200* | *ug/L* | *0.119* | | *168* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.118* | *ug/L* | *0.119* | | *99.0* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFC1112-BLK2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDE | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDT | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Aldrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| delta-BHC | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Dieldrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan I | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan II | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endrin aldehyde | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endrin ketone | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| gamma-Chlordane | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Heptachlor | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Methoxychlor | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | U | 0.298 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | *S* | | *0.180* | *ug/L* | *0.119* | | *151* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.113* | *ug/L* | *0.119* | | *94.8* | *60-140* | | |
| **LCS TOX (BFC1112-BS1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| 4,4'-DDE | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| 4,4'-DDT | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Aldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Chlordane (tech.) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| delta-BHC | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Dieldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan I | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan II | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan sulfate | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS TOX (BFC1112-BS1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| Endrin aldehyde | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin ketone | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| gamma-Chlordane | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Heptachlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Heptachlor epoxide | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Methoxychlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 1.38 | R | 0.300 | ug/L | 1.20 | | 115 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *R* | *0.125* | *ug/L* | *0.120* | | *104* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.101* | *ug/L* | *0.120* | | *84.4* | *60-140* | | |
| **LCS (BFC1112-BS2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | 0.124 | R | 0.00593 | ug/L | 0.119 | | 104 | 60-140 | | |
| 4,4'-DDE | <0.00593 | J1, R, U | 0.00593 | ug/L | 0.119 | | | 60-140 | | |
| 4,4'-DDT | 0.113 | R | 0.00593 | ug/L | 0.119 | | 95.1 | 60-140 | | |
| Aldrin | 0.121 | R | 0.00593 | ug/L | 0.119 | | 102 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.182 | J1, R | 0.00593 | ug/L | 0.119 | | 153 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.156 | R | 0.00593 | ug/L | 0.119 | | 132 | 60-140 | | |
| Chlordane (tech.) | 0.488 | R | 0.00593 | ug/L | 0.474 | | 103 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.103 | R | 0.00593 | ug/L | 0.119 | | 87.0 | 60-140 | | |
| delta-BHC | 0.143 | R | 0.00593 | ug/L | 0.119 | | 121 | 60-140 | | |
| Dieldrin | 0.127 | R | 0.00593 | ug/L | 0.119 | | 107 | 60-140 | | |
| Endosulfan I | 0.00766 | J1, R | 0.00593 | ug/L | 0.119 | | 6.46 | 60-140 | | |
| Endosulfan II | 0.115 | R | 0.00593 | ug/L | 0.119 | | 97.2 | 60-140 | | |
| Endosulfan sulfate | 0.125 | R | 0.00593 | ug/L | 0.119 | | 106 | 60-140 | | |
| Endrin | 0.115 | R | 0.00593 | ug/L | 0.119 | | 97.2 | 60-140 | | |
| Endrin aldehyde | 0.140 | R | 0.00593 | ug/L | 0.119 | | 118 | 60-140 | | |
| Endrin ketone | 0.150 | R | 0.00593 | ug/L | 0.119 | | 127 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.155 | R | 0.00593 | ug/L | 0.119 | | 130 | 60-140 | | |
| gamma-Chlordane | 0.134 | R | 0.00593 | ug/L | 0.119 | | 113 | 60-140 | | |
| Heptachlor | 0.156 | R | 0.00593 | ug/L | 0.119 | | 131 | 60-140 | | |
| Heptachlor epoxide | 0.0947 | R | 0.00593 | ug/L | 0.119 | | 79.8 | 60-140 | | |
| Methoxychlor | 0.130 | R | 0.00593 | ug/L | 0.119 | | 110 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <0.297 | R, U | 0.297 | ug/L | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *J1, R* | *0.181* | *ug/L* | *0.119* | | *152* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.111* | *ug/L* | *0.119* | | *93.9* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS TOX (BFC1112-BS3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Aldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 1.28 | | 0.300 | ug/L | 1.20 | | 107 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.119* | *ug/L* | *0.120* | | *99.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.102* | *ug/L* | *0.120* | | *85.3* | *60-140* | | |
| **LCS (BFC1112-BS4)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | 0.129 | | 0.00593 | ug/L | 0.119 | | 109 | 60-140 | | |
| 4,4'-DDE | 0.0802 | | 0.00593 | ug/L | 0.119 | | 67.6 | 60-140 | | |
| 4,4'-DDT | 0.114 | | 0.00593 | ug/L | 0.119 | | 96.1 | 60-140 | | |
| Aldrin | 0.118 | | 0.00593 | ug/L | 0.119 | | 99.2 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.138 | | 0.00593 | ug/L | 0.119 | | 117 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.141 | | 0.00593 | ug/L | 0.119 | | 119 | 60-140 | | |
| Chlordane (tech.) | 0.462 | | 0.00593 | ug/L | 0.474 | | 97.5 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.101 | | 0.00593 | ug/L | 0.119 | | 85.0 | 60-140 | | |
| delta-BHC | 0.135 | | 0.00593 | ug/L | 0.119 | | 114 | 60-140 | | |
| Dieldrin | 0.118 | | 0.00593 | ug/L | 0.119 | | 99.2 | 60-140 | | |
| Endosulfan I | 0.0813 | | 0.00593 | ug/L | 0.119 | | 68.5 | 60-140 | | |
| Endosulfan II | 0.114 | | 0.00593 | ug/L | 0.119 | | 96.5 | 60-140 | | |
| Endosulfan sulfate | 0.128 | | 0.00593 | ug/L | 0.119 | | 108 | 60-140 | | |
| Endrin | 0.121 | | 0.00593 | ug/L | 0.119 | | 102 | 60-140 | | |
| Endrin aldehyde | 0.117 | | 0.00593 | ug/L | 0.119 | | 98.5 | 60-140 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC1112-BS4)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| Endrin ketone | 0.145 | | 0.00593 | ug/L | 0.119 | | 122 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.135 | | 0.00593 | ug/L | 0.119 | | 114 | 60-140 | | |
| gamma-Chlordane | 0.128 | | 0.00593 | ug/L | 0.119 | | 108 | 60-140 | | |
| Heptachlor | 0.135 | | 0.00593 | ug/L | 0.119 | | 114 | 60-140 | | |
| Heptachlor epoxide | 0.0990 | | 0.00593 | ug/L | 0.119 | | 83.4 | 60-140 | | |
| Methoxychlor | 0.138 | | 0.00593 | ug/L | 0.119 | | 117 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <0.297 | U | 0.297 | ug/L | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.152* | *ug/L* | *0.119* | | *128* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.102* | *ug/L* | *0.119* | | *86.1* | *60-140* | | |
| **LCS Dup TOX (BFC1112-BSD1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Aldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| delta-BHC | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Dieldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan I | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan II | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin aldehyde | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin ketone | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Heptachlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Methoxychlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 1.28 | R | 0.300 | ug/L | 1.20 | | 107 | 60-140 | 7.79 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *R* | *0.119* | *ug/L* | *0.120* | | *98.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.0739* | *ug/L* | *0.120* | | *61.6* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC1112-BSD2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | 0.142 | R | 0.00598 | ug/L | 0.120 | | 119 | 60-140 | 14.1 | 40 |
| 4,4'-DDE | <0.00598 | J1, R, U | 0.00598 | ug/L | 0.120 | | | 60-140 | | 40 |
| 4,4'-DDT | 0.128 | R | 0.00598 | ug/L | 0.120 | | 107 | 60-140 | 12.3 | 40 |
| Aldrin | 0.131 | R | 0.00598 | ug/L | 0.120 | | 110 | 60-140 | 8.37 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.202 | J1, R | 0.00598 | ug/L | 0.120 | | 169 | 60-140 | 10.7 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.175 | J1, R | 0.00598 | ug/L | 0.120 | | 146 | 60-140 | 11.2 | 40 |
| Chlordane (tech.) | 0.591 | R | 0.00598 | ug/L | 0.478 | | 123 | 60-140 | 19.1 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.116 | R | 0.00598 | ug/L | 0.120 | | 96.9 | 60-140 | 11.6 | 40 |
| delta-BHC | 0.172 | J1, R | 0.00598 | ug/L | 0.120 | | 144 | 60-140 | 18.3 | 40 |
| Dieldrin | 0.143 | R | 0.00598 | ug/L | 0.120 | | 119 | 60-140 | 11.8 | 40 |
| Endosulfan I | 0.00783 | J1, R | 0.00598 | ug/L | 0.120 | | 6.55 | 60-140 | 2.14 | 40 |
| Endosulfan II | 0.143 | R | 0.00598 | ug/L | 0.120 | | 120 | 60-140 | 21.7 | 40 |
| Endosulfan sulfate | 0.154 | R | 0.00598 | ug/L | 0.120 | | 129 | 60-140 | 20.5 | 40 |
| Endrin | 0.130 | R | 0.00598 | ug/L | 0.120 | | 109 | 60-140 | 11.9 | 40 |
| Endrin aldehyde | 0.162 | R | 0.00598 | ug/L | 0.120 | | 136 | 60-140 | 15.2 | 40 |
| Endrin ketone | 0.172 | J1, R | 0.00598 | ug/L | 0.120 | | 143 | 60-140 | 13.3 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.190 | J1, R | 0.00598 | ug/L | 0.120 | | 158 | 60-140 | 20.2 | 40 |
| gamma-Chlordane | 0.154 | R | 0.00598 | ug/L | 0.120 | | 129 | 60-140 | 14.0 | 40 |
| Heptachlor | 0.173 | J1, R | 0.00598 | ug/L | 0.120 | | 144 | 60-140 | 10.4 | 40 |
| Heptachlor epoxide | 0.148 | J1, R | 0.00598 | ug/L | 0.120 | | 123 | 60-140 | 43.7 | 40 |
| Methoxychlor | 0.154 | R | 0.00598 | ug/L | 0.120 | | 129 | 60-140 | 16.6 | 40 |
| Toxaphene (Chlorinated Camphene) | <0.299 | R, U | 0.299 | ug/L | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *J1, R* | *0.178* | *ug/L* | *0.120* | | *149* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.140* | *ug/L* | *0.120* | | *117* | *60-140* | | |
| **LCS Dup TOX (BFC1112-BSD3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Aldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup TOX (BFC1112-BSD3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 1.29 | | 0.300 | ug/L | 1.20 | | 108 | 60-140 | 0.484 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.117* | *ug/L* | *0.120* | | *97.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0783* | *ug/L* | *0.120* | | *65.2* | *60-140* | | |
| **LCS Dup (BFC1112-BSD4)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | 0.154 | | 0.00598 | ug/L | 0.120 | | 129 | 60-140 | 17.8 | 40 |
| 4,4'-DDE | 0.0983 | | 0.00598 | ug/L | 0.120 | | 82.2 | 60-140 | 20.3 | 40 |
| 4,4'-DDT | 0.134 | | 0.00598 | ug/L | 0.120 | | 112 | 60-140 | 15.8 | 40 |
| Aldrin | 0.133 | | 0.00598 | ug/L | 0.120 | | 111 | 60-140 | 12.1 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.160 | | 0.00598 | ug/L | 0.120 | | 134 | 60-140 | 14.6 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.163 | | 0.00598 | ug/L | 0.120 | | 136 | 60-140 | 14.1 | 40 |
| Chlordane (tech.) | 0.565 | | 0.00598 | ug/L | 0.478 | | 118 | 60-140 | 20.0 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.120 | | 0.00598 | ug/L | 0.120 | | 100 | 60-140 | 17.0 | 40 |
| delta-BHC | 0.158 | | 0.00598 | ug/L | 0.120 | | 132 | 60-140 | 15.5 | 40 |
| Dieldrin | 0.139 | | 0.00598 | ug/L | 0.120 | | 116 | 60-140 | 16.5 | 40 |
| Endosulfan I | 0.104 | | 0.00598 | ug/L | 0.120 | | 86.8 | 60-140 | 24.3 | 40 |
| Endosulfan II | 0.143 | | 0.00598 | ug/L | 0.120 | | 119 | 60-140 | 21.9 | 40 |
| Endosulfan sulfate | 0.158 | | 0.00598 | ug/L | 0.120 | | 132 | 60-140 | 20.5 | 40 |
| Endrin | 0.142 | | 0.00598 | ug/L | 0.120 | | 119 | 60-140 | 16.2 | 40 |
| Endrin aldehyde | 0.128 | | 0.00598 | ug/L | 0.120 | | 107 | 60-140 | 9.19 | 40 |
| Endrin ketone | 0.167 | | 0.00598 | ug/L | 0.120 | | 140 | 60-140 | 14.6 | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.159 | | 0.00598 | ug/L | 0.120 | | 133 | 60-140 | 16.3 | 40 |
| gamma-Chlordane | 0.148 | | 0.00598 | ug/L | 0.120 | | 124 | 60-140 | 14.5 | 40 |
| Heptachlor | 0.155 | | 0.00598 | ug/L | 0.120 | | 130 | 60-140 | 14.2 | 40 |
| Heptachlor epoxide | 0.143 | | 0.00598 | ug/L | 0.120 | | 119 | 60-140 | 36.1 | 40 |
| Methoxychlor | 0.168 | J1 | 0.00598 | ug/L | 0.120 | | 141 | 60-140 | 19.3 | 40 |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.150* | *ug/L* | *0.120* | | *125* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.128* | *ug/L* | *0.120* | | *107* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFC0552-BLK1 (BFC1112-LBK1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDE | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDT | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Aldrin | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.00795 | R | 0.00598 | ug/L | | | | | | |
| Chlordane (tech.) | 0.0312 | R | 0.00598 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| delta-BHC | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Dieldrin | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Endosulfan I | 0.00609 | R | 0.00598 | ug/L | | | | | | |
| Endosulfan II | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Endrin | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Endrin aldehyde | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Endrin ketone | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| gamma-Chlordane | 0.0159 | R | 0.00598 | ug/L | | | | | | |
| Heptachlor | 0.0127 | R | 0.00598 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Methoxychlor | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.299 | R, U | 0.299 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *R* | *0.201* | *ug/L* | *0.120* | | *168* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.130* | *ug/L* | *0.120* | | *109* | *60-140* | | |
| **BFC0552-BLK1 (BFC1112-LBK2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/22/2022 | | | | | |
| 4,4'-DDD | <0.00598 | CQ, U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDE | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDT | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Aldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00598 | CQ, U | 0.00598 | ug/L | | | | | | |
| Chlordane (tech.) | 0.0142 | | 0.00598 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| delta-BHC | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Dieldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan I | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan II | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFC0552-BLK1 (BFC1112-LBK2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/22/2022 | | | | | |
| Endrin aldehyde | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin ketone | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-Chlordane | <0.00598 | CQ, U | 0.00598 | ug/L | | | | | | |
| Heptachlor | 0.0142 | | 0.00598 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Methoxychlor | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.171* | *ug/L* | *0.120* | | *143* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.121* | *ug/L* | *0.120* | | *101* | *60-140* | | |
| **MDL TOX (BFC1112-MRL1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| 4,4'-DDE | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| 4,4'-DDT | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Aldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Chlordane (tech.) | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| delta-BHC | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Dieldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan I | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan II | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan sulfate | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin aldehyde | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin ketone | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| gamma-Chlordane | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Heptachlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Heptachlor epoxide | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Methoxychlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | 0.344 | R | 0.300 | ug/L | 0.300 | | 115 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *R* | *0.114* | *ug/L* | *0.120* | | *95.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.0673* | *ug/L* | *0.120* | | *56.1* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL (BFC1112-MRL2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | 0.0141 | R | 0.00597 | ug/L | 0.0119 | | 118 | 50-150 | | |
| 4,4'-DDE | <0.00597 | R, U | 0.00597 | ug/L | 0.0119 | | | 50-150 | | |
| 4,4'-DDT | 0.0148 | R | 0.00597 | ug/L | 0.0119 | | 124 | 50-150 | | |
| Aldrin | 0.0123 | R | 0.00597 | ug/L | 0.0119 | | 103 | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0229 | R | 0.00597 | ug/L | 0.0119 | | 192 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0185 | R | 0.00597 | ug/L | 0.0119 | | 155 | 50-150 | | |
| Chlordane (tech.) | 0.0745 | R | 0.00597 | ug/L | 0.0477 | | 156 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0158 | R | 0.00597 | ug/L | 0.0119 | | 132 | 50-150 | | |
| delta-BHC | 0.0168 | R | 0.00597 | ug/L | 0.0119 | | 141 | 50-150 | | |
| Dieldrin | 0.0168 | R | 0.00597 | ug/L | 0.0119 | | 141 | 50-150 | | |
| Endosulfan I | <0.00597 | R, U | 0.00597 | ug/L | 0.0119 | | | 50-150 | | |
| Endosulfan II | 0.0143 | R | 0.00597 | ug/L | 0.0119 | | 120 | 50-150 | | |
| Endosulfan sulfate | 0.0169 | R | 0.00597 | ug/L | 0.0119 | | 142 | 50-150 | | |
| Endrin | 0.0154 | R | 0.00597 | ug/L | 0.0119 | | 129 | 50-150 | | |
| Endrin aldehyde | 0.0197 | R | 0.00597 | ug/L | 0.0119 | | 165 | 50-150 | | |
| Endrin ketone | 0.0215 | R | 0.00597 | ug/L | 0.0119 | | 180 | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0165 | R | 0.00597 | ug/L | 0.0119 | | 138 | 50-150 | | |
| gamma-Chlordane | 0.0180 | R | 0.00597 | ug/L | 0.0119 | | 151 | 50-150 | | |
| Heptachlor | 0.0280 | R | 0.00597 | ug/L | 0.0119 | | 235 | 50-150 | | |
| Heptachlor epoxide | 0.0128 | R | 0.00597 | ug/L | 0.0119 | | 107 | 50-150 | | |
| Methoxychlor | 0.0187 | R | 0.00597 | ug/L | 0.0119 | | 157 | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | R, U | 0.298 | ug/L | | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *R* | *0.175* | *ug/L* | *0.119* | | *146* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.112* | *ug/L* | *0.119* | | *94.0* | *60-140* | | |
| **MDL TOX (BFC1112-MRL3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Aldrin | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL TOX (BFC1112-MRL3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | 0.368 | | 0.300 | ug/L | 0.300 | | 123 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.111* | *ug/L* | *0.120* | | *92.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0704* | *ug/L* | *0.120* | | *58.6* | *60-140* | | |
| **MDL (BFC1112-MRL4)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | 0.0149 | | 0.00597 | ug/L | 0.0119 | | 125 | 50-150 | | |
| 4,4'-DDE | 0.0156 | | 0.00597 | ug/L | 0.0119 | | 131 | 50-150 | | |
| 4,4'-DDT | 0.0151 | | 0.00597 | ug/L | 0.0119 | | 126 | 50-150 | | |
| Aldrin | 0.0139 | | 0.00597 | ug/L | 0.0119 | | 116 | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0184 | J1 | 0.00597 | ug/L | 0.0119 | | 154 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0190 | J1 | 0.00597 | ug/L | 0.0119 | | 159 | 50-150 | | |
| Chlordane (tech.) | 0.0853 | J1 | 0.00597 | ug/L | 0.0477 | | 179 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0171 | | 0.00597 | ug/L | 0.0119 | | 143 | 50-150 | | |
| delta-BHC | 0.0176 | | 0.00597 | ug/L | 0.0119 | | 148 | 50-150 | | |
| Dieldrin | 0.0167 | | 0.00597 | ug/L | 0.0119 | | 140 | 50-150 | | |
| Endosulfan I | 0.0126 | | 0.00597 | ug/L | 0.0119 | | 106 | 50-150 | | |
| Endosulfan II | 0.0145 | | 0.00597 | ug/L | 0.0119 | | 122 | 50-150 | | |
| Endosulfan sulfate | 0.0185 | J1 | 0.00597 | ug/L | 0.0119 | | 155 | 50-150 | | |
| Endrin | 0.0160 | | 0.00597 | ug/L | 0.0119 | | 134 | 50-150 | | |
| Endrin aldehyde | 0.0192 | J1 | 0.00597 | ug/L | 0.0119 | | 161 | 50-150 | | |
| Endrin ketone | 0.0214 | J1 | 0.00597 | ug/L | 0.0119 | | 180 | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0167 | | 0.00597 | ug/L | 0.0119 | | 140 | 50-150 | | |
| gamma-Chlordane | 0.0265 | J1 | 0.00597 | ug/L | 0.0119 | | 222 | 50-150 | | |
| Heptachlor | 0.0290 | J1 | 0.00597 | ug/L | 0.0119 | | 243 | 50-150 | | |
| Heptachlor epoxide | 0.0127 | | 0.00597 | ug/L | 0.0119 | | 106 | 50-150 | | |
| Methoxychlor | 0.0189 | J1 | 0.00597 | ug/L | 0.0119 | | 159 | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | U | 0.298 | ug/L | | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.147* | *ug/L* | *0.119* | | *123* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.104* | *ug/L* | *0.119* | | *87.4* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC1112-MS1)** | **Source: 22A3944-18** | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | 0.159 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 133 | 60-140 | | |
| 4,4'-DDE | <0.00598 | J1, R, U | 0.00598 | ug/L | 0.120 | <0.00598 | | 60-140 | | |
| 4,4'-DDT | 0.126 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 106 | 60-140 | | |
| Aldrin | 0.148 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 124 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.263 | J1, R | 0.00598 | ug/L | 0.120 | 0.0406 | 186 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.214 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 179 | 60-140 | | |
| Chlordane (tech.) | 0.671 | R | 0.00598 | ug/L | 0.478 | 0.00917 | 138 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.128 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 107 | 60-140 | | |
| delta-BHC | 0.207 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 173 | 60-140 | | |
| Dieldrin | 0.161 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 135 | 60-140 | | |
| Endosulfan I | 0.00741 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 6.20 | 60-140 | | |
| Endosulfan II | 0.162 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 135 | 60-140 | | |
| Endosulfan sulfate | 0.175 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 146 | 60-140 | | |
| Endrin | 0.154 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 129 | 60-140 | | |
| Endrin aldehyde | 0.168 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 141 | 60-140 | | |
| Endrin ketone | 0.193 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 161 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.212 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 177 | 60-140 | | |
| gamma-Chlordane | 0.169 | R | 0.00598 | ug/L | 0.120 | 0.00708 | 136 | 60-140 | | |
| Heptachlor | 0.193 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 162 | 60-140 | | |
| Heptachlor epoxide | 0.180 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 151 | 60-140 | | |
| Methoxychlor | 0.160 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 134 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *J1, R* | *0.200* | *ug/L* | *0.120* | | *167* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.135* | *ug/L* | *0.120* | | *113* | *60-140* | | |
| **Matrix Spike (BFC1112-MS2)** | **Source: 22A3944-18RE1** | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | 0.167 | | 0.00598 | ug/L | 0.120 | <0.00598 | 140 | 60-140 | | |
| 4,4'-DDE | 0.135 | | 0.00598 | ug/L | 0.120 | <0.00598 | 113 | 60-140 | | |
| 4,4'-DDT | 0.132 | | 0.00598 | ug/L | 0.120 | <0.00598 | 110 | 60-140 | | |
| Aldrin | 0.148 | | 0.00598 | ug/L | 0.120 | <0.00598 | 124 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.204 | J1 | 0.00598 | ug/L | 0.120 | 0.0314 | 144 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.191 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 160 | 60-140 | | |
| Chlordane (tech.) | 0.640 | | 0.00598 | ug/L | 0.478 | 0.0170 | 130 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.143 | | 0.00598 | ug/L | 0.120 | <0.00598 | 120 | 60-140 | | |
| delta-BHC | 0.181 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 151 | 60-140 | | |
| Dieldrin | 0.155 | | 0.00598 | ug/L | 0.120 | <0.00598 | 130 | 60-140 | | |
| Endosulfan I | 0.144 | | 0.00598 | ug/L | 0.120 | <0.00598 | 120 | 60-140 | | |
| Endosulfan II | 0.155 | | 0.00598 | ug/L | 0.120 | <0.00598 | 129 | 60-140 | | |
| Endosulfan sulfate | 0.170 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 142 | 60-140 | | |
| Endrin | 0.161 | | 0.00598 | ug/L | 0.120 | <0.00598 | 135 | 60-140 | | |
| Endrin aldehyde | 0.162 | | 0.00598 | ug/L | 0.120 | <0.00598 | 135 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC1112-MS2)** | | **Source: 22A3944-18RE1** | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| Endrin ketone | 0.176 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 147 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.178 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 149 | 60-140 | | |
| gamma-Chlordane | 0.163 | | 0.00598 | ug/L | 0.120 | 0.0170 | 122 | 60-140 | | |
| Heptachlor | 0.173 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 145 | 60-140 | | |
| Heptachlor epoxide | 0.162 | | 0.00598 | ug/L | 0.120 | <0.00598 | 135 | 60-140 | | |
| Methoxychlor | 0.167 | | 0.00598 | ug/L | 0.120 | <0.00598 | 139 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.171* | *ug/L* | *0.120* | | *143* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.125* | *ug/L* | *0.120* | | *105* | *60-140* | | |
| **Matrix Spike Dup (BFC1112-MSD1)** | | **Source: 22A3944-18** | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | 0.166 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 139 | 60-140 | 4.84 | 40 |
| 4,4'-DDE | <0.00597 | J1, R, U | 0.00597 | ug/L | 0.119 | <0.00597 | | 60-140 | | 40 |
| 4,4'-DDT | 0.130 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 109 | 60-140 | 2.43 | 40 |
| Aldrin | 0.150 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 126 | 60-140 | 1.56 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.283 | J1, R | 0.00597 | ug/L | 0.119 | 0.0406 | 204 | 60-140 | 7.56 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.226 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 190 | 60-140 | 5.55 | 40 |
| Chlordane (tech.) | 0.693 | J1, R | 0.00597 | ug/L | 0.477 | 0.00917 | 143 | 60-140 | 3.22 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.135 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 113 | 60-140 | 5.34 | 40 |
| delta-BHC | 0.219 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 183 | 60-140 | 5.69 | 40 |
| Dieldrin | 0.172 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 144 | 60-140 | 6.63 | 40 |
| Endosulfan I | 0.00759 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 6.36 | 60-140 | 2.51 | 40 |
| Endosulfan II | 0.172 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 144 | 60-140 | 6.29 | 40 |
| Endosulfan sulfate | 0.184 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 154 | 60-140 | 5.23 | 40 |
| Endrin | 0.166 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 139 | 60-140 | 7.08 | 40 |
| Endrin aldehyde | 0.183 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 154 | 60-140 | 8.43 | 40 |
| Endrin ketone | 0.211 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 177 | 60-140 | 9.06 | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.223 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 187 | 60-140 | 5.40 | 40 |
| gamma-Chlordane | 0.175 | R | 0.00597 | ug/L | 0.119 | 0.00708 | 140 | 60-140 | 3.27 | 40 |
| Heptachlor | 0.197 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 165 | 60-140 | 2.05 | 40 |
| Heptachlor epoxide | 0.186 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 156 | 60-140 | 2.90 | 40 |
| Methoxychlor | 0.163 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 137 | 60-140 | 1.58 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *J1, R* | *0.198* | *ug/L* | *0.119* | | *166* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.131* | *ug/L* | *0.119* | | *110* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1112-MSD2)** | | | **Source: 22A3944-18RE1** | | Prepared: 3/8/2022 Analyzed: 3/22/2022 | | | | | |
| 4,4'-DDD | 0.169 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 142 | 60-140 | 0.891 | 40 |
| 4,4'-DDE | 0.136 | | 0.00597 | ug/L | 0.119 | <0.00597 | 114 | 60-140 | 0.747 | 40 |
| 4,4'-DDT | 0.134 | | 0.00597 | ug/L | 0.119 | <0.00597 | 113 | 60-140 | 2.03 | 40 |
| Aldrin | 0.144 | | 0.00597 | ug/L | 0.119 | <0.00597 | 121 | 60-140 | 2.58 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.210 | J1 | 0.00597 | ug/L | 0.119 | 0.0314 | 150 | 60-140 | 3.13 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.198 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 166 | 60-140 | 3.82 | 40 |
| Chlordane (tech.) | 0.657 | | 0.00597 | ug/L | 0.477 | 0.0170 | 134 | 60-140 | 2.59 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.149 | | 0.00597 | ug/L | 0.119 | <0.00597 | 125 | 60-140 | 3.77 | 40 |
| delta-BHC | 0.187 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 157 | 60-140 | 3.37 | 40 |
| Dieldrin | 0.160 | | 0.00597 | ug/L | 0.119 | <0.00597 | 134 | 60-140 | 2.91 | 40 |
| Endosulfan I | 0.149 | | 0.00597 | ug/L | 0.119 | <0.00597 | 125 | 60-140 | 3.95 | 40 |
| Endosulfan II | 0.161 | | 0.00597 | ug/L | 0.119 | <0.00597 | 135 | 60-140 | 3.83 | 40 |
| Endosulfan sulfate | 0.180 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 151 | 60-140 | 5.83 | 40 |
| Endrin | 0.168 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 141 | 60-140 | 4.42 | 40 |
| Endrin aldehyde | 0.176 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 147 | 60-140 | 8.44 | 40 |
| Endrin ketone | 0.190 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 159 | 60-140 | 7.98 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.184 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 154 | 60-140 | 2.87 | 40 |
| gamma-Chlordane | 0.170 | | 0.00597 | ug/L | 0.119 | 0.0170 | 128 | 60-140 | 4.46 | 40 |
| Heptachlor | 0.171 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 144 | 60-140 | 0.875 | 40 |
| Heptachlor epoxide | 0.167 | | 0.00597 | ug/L | 0.119 | <0.00597 | 140 | 60-140 | 3.28 | 40 |
| Methoxychlor | 0.171 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 144 | 60-140 | 2.78 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.169* | *ug/L* | *0.119* | | *141* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.132* | *ug/L* | *0.119* | | *111* | *60-140* | | |
| ***Batch: BFC1339 - TX 1005*** | | | | | | | | | | |
| **Blank (BFC1339-BLK1)** | | | | | Prepared: 3/9/2022 Analyzed: 3/11/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <8.93 | U | 8.93 | mg/kg wet | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *180* | *mg/kg wet* | *248* | | *72.6* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *228* | *mg/kg wet* | *248* | | *91.9* | *70-130* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1339 - TX 1005 (Continued)*** | | | | | | | | | | |
| **LCS (BFC1339-BS1)** | | | | | Prepared: 3/9/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 235 | | 4.47 | mg/kg wet | 249 | | 94.7 | 75-125 | | |
| >C12-C28 | 140 | J1 | 4.47 | mg/kg wet | 249 | | 56.4 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 366 | J1 | 8.95 | mg/kg wet | 497 | | 73.7 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *190* | *mg/kg wet* | *249* | | *76.6* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *231* | *mg/kg wet* | *249* | | *93.1* | *70-130* | | |
| **LCS Dup (BFC1339-BSD1)** | | | | | Prepared: 3/9/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 229 | | 4.50 | mg/kg wet | 250 | | 91.6 | 75-125 | 2.73 | 20 |
| >C12-C28 | 164 | J1 | 4.50 | mg/kg wet | 250 | | 65.4 | 75-125 | 15.4 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 386 | | 9.00 | mg/kg wet | 500 | | 77.3 | 75-125 | 5.29 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *188* | *mg/kg wet* | *250* | | *75.2* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *230* | *mg/kg wet* | *250* | | *92.2* | *70-130* | | |
| **MRL Check (BFC1339-MRL1)** | | | | | Prepared: 3/9/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 7.44 | | 4.50 | mg/kg wet | 5.00 | | 149 | 50-150 | | |
| >C12-C28 | <4.50 | J1, U | 4.50 | mg/kg wet | 5.00 | | | 50-150 | | |
| >C12-C35 | <4.50 | U | 4.50 | mg/kg wet | | | | 50-150 | | |
| >C28-C35 | <4.50 | U | 4.50 | mg/kg wet | | | | 50-150 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 6.62 | J | 9.00 | mg/kg wet | 10.0 | | 66.2 | 50-150 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *185* | *mg/kg wet* | *250* | | *73.9* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *230* | *mg/kg wet* | *250* | | *92.1* | *70-130* | | |
| **Matrix Spike (BFC1339-MS1)** | **Source: 22A3944-43** | | | | Prepared: 3/9/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | <7.71 | J1, U | 7.71 | mg/kg dry | 428 | <7.71 | | 75-125 | | |
| >C12-C28 | <7.71 | J1, U | 7.71 | mg/kg dry | 428 | 4.38 | NR | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <15.4 | J1, U | 15.4 | mg/kg dry | 856 | 6.44 | NR | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *305* | *mg/kg dry* | *428* | | *71.3* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *385* | *mg/kg dry* | *428* | | *90.0* | *70-130* | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1339 - TX 1005 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1339-MSD1)** | | | **Source: 22A3944-43** | | Prepared: 3/9/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | <7.63 | J1, U | 7.63 | mg/kg dry | 424 | <7.63 | | 75-125 | | 20 |
| >C12-C28 | <7.63 | J1, U | 7.63 | mg/kg dry | 424 | 4.38 | NR | 75-125 | | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <15.3 | J1, U | 15.3 | mg/kg dry | 848 | 6.44 | NR | 75-125 | | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *218* | *mg/kg dry* | *424* | | *51.4* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | *S* | *268* | *mg/kg dry* | *424* | | *63.3* | *70-130* | | |
| ***Batch: BFC1952 - SW-3570*** | | | | | | | | | | |
| **Blank (BFC1952-BLK1)** | | | | | Prepared: 3/14/2022 Analyzed: 3/28/2022 | | | | | |
| 4,4'-DDD | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| 4,4'-DDE | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| 4,4'-DDT | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Aldrin | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Chlordane (tech.) | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| delta-BHC | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Dieldrin | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Endosulfan I | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Endosulfan II | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Endosulfan sulfate | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Endrin | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Endrin aldehyde | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Endrin ketone | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| gamma-Chlordane | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Heptachlor | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Heptachlor epoxide | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Methoxychlor | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Toxaphene (Chlorinated Camphene) | <14.2 | U | 14.2 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.25* | *ug/kg wet* | *5.68* | | *74.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.39* | *ug/kg wet* | *5.68* | | *95.0* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1952 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BFC1952-BLK2)** | | | | Prepared: 3/14/2022 Analyzed: 4/8/2022 | | | | | | |
| Chlordane (tech.) | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| delta-BHC | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| gamma-Chlordane | <0.946 | U | 0.946 | ug/kg wet | | | | | | |
| Toxaphene (Chlorinated Camphene) | <14.2 | U | 14.2 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.08* | *ug/kg wet* | *5.68* | | *71.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.78* | *ug/kg wet* | *5.68* | | *102* | *60-140* | | |
| **LCS TOX (BFC1952-BS1)** | | | | Prepared: 3/14/2022 Analyzed: 3/29/2022 | | | | | | |
| Toxaphene (Chlorinated Camphene) | 69.4 | | 14.7 | ug/kg wet | 58.9 | | 118 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.91* | *ug/kg wet* | *5.89* | | *83.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.62* | *ug/kg wet* | *5.89* | | *95.4* | *60-140* | | |
| **LCS (BFC1952-BS2)** | | | | Prepared: 3/14/2022 Analyzed: 3/29/2022 | | | | | | |
| 4,4'-DDD | 5.68 | | 0.962 | ug/kg wet | 5.77 | | 98.5 | 60-140 | | |
| 4,4'-DDE | 5.77 | | 0.962 | ug/kg wet | 5.77 | | 100 | 60-140 | | |
| 4,4'-DDT | 5.51 | | 0.962 | ug/kg wet | 5.77 | | 95.5 | 60-140 | | |
| Aldrin | 5.47 | | 0.962 | ug/kg wet | 5.77 | | 94.8 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 5.51 | | 0.962 | ug/kg wet | 5.77 | | 95.5 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 5.23 | | 0.962 | ug/kg wet | 5.77 | | 90.6 | 60-140 | | |
| Chlordane (tech.) | 22.4 | | 0.962 | ug/kg wet | 23.1 | | 97.0 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 5.74 | | 0.962 | ug/kg wet | 5.77 | | 99.5 | 60-140 | | |
| delta-BHC | 5.11 | | 0.962 | ug/kg wet | 5.77 | | 88.6 | 60-140 | | |
| Dieldrin | 5.48 | | 0.962 | ug/kg wet | 5.77 | | 94.9 | 60-140 | | |
| Endosulfan I | 5.29 | | 0.962 | ug/kg wet | 5.77 | | 91.7 | 60-140 | | |
| Endosulfan II | 5.44 | | 0.962 | ug/kg wet | 5.77 | | 94.2 | 60-140 | | |
| Endosulfan sulfate | 4.76 | | 0.962 | ug/kg wet | 5.77 | | 82.6 | 60-140 | | |
| Endrin | 4.91 | | 0.962 | ug/kg wet | 5.77 | | 85.1 | 60-140 | | |
| Endrin aldehyde | 4.11 | | 0.962 | ug/kg wet | 5.77 | | 71.2 | 60-140 | | |
| Endrin ketone | 5.22 | | 0.962 | ug/kg wet | 5.77 | | 90.4 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 5.10 | | 0.962 | ug/kg wet | 5.77 | | 88.5 | 60-140 | | |
| gamma-Chlordane | 5.73 | | 0.962 | ug/kg wet | 5.77 | | 99.4 | 60-140 | | |
| Heptachlor | 5.61 | | 0.962 | ug/kg wet | 5.77 | | 97.3 | 60-140 | | |
| Heptachlor epoxide | 5.30 | | 0.962 | ug/kg wet | 5.77 | | 91.9 | 60-140 | | |
| Methoxychlor | 5.13 | | 0.962 | ug/kg wet | 5.77 | | 89.0 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.62* | *ug/kg wet* | *5.77* | | *80.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.49* | *ug/kg wet* | *5.77* | | *95.2* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1952 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFC1952-BS3)** | | | | | Prepared: 3/14/2022 Analyzed: 4/8/2022 | | | | | |
| Chlordane (tech.) | 21.5 | | 0.962 | ug/kg wet | 23.1 | | 93.4 | 60-140 | | |
| delta-BHC | 0.808 | J1, J | 0.962 | ug/kg wet | 5.77 | | 14.0 | 60-140 | | |
| gamma-Chlordane | 4.89 | | 0.962 | ug/kg wet | 5.77 | | 84.7 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.15* | *ug/kg wet* | *5.77* | | *71.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.64* | *ug/kg wet* | *5.77* | | *97.7* | *60-140* | | |
| **LCS Dup TOX (BFC1952-BSD1)** | | | | | Prepared: 3/14/2022 Analyzed: 3/29/2022 | | | | | |
| Toxaphene (Chlorinated Camphene) | 62.7 | | 14.3 | ug/kg wet | 57.3 | | 109 | 60-140 | 10.1 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.71* | *ug/kg wet* | *5.73* | | *82.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.38* | *ug/kg wet* | *5.73* | | *93.9* | *60-140* | | |
| **LCS Dup (BFC1952-BSD2)** | | | | | Prepared: 3/14/2022 Analyzed: 3/29/2022 | | | | | |
| 4,4'-DDD | 5.39 | | 0.935 | ug/kg wet | 5.61 | | 96.1 | 60-140 | 5.21 | 40 |
| 4,4'-DDE | 5.39 | | 0.935 | ug/kg wet | 5.61 | | 96.0 | 60-140 | 6.82 | 40 |
| 4,4'-DDT | 5.08 | | 0.935 | ug/kg wet | 5.61 | | 90.4 | 60-140 | 8.20 | 40 |
| Aldrin | 5.12 | | 0.935 | ug/kg wet | 5.61 | | 91.2 | 60-140 | 6.70 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 5.09 | | 0.935 | ug/kg wet | 5.61 | | 90.7 | 60-140 | 7.86 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 4.82 | | 0.935 | ug/kg wet | 5.61 | | 85.9 | 60-140 | 8.08 | 40 |
| Chlordane (tech.) | 21.0 | | 0.935 | ug/kg wet | 22.5 | | 93.4 | 60-140 | 6.56 | 40 |
| cis-Chlordane (alpha-Chlordane) | 5.32 | | 0.935 | ug/kg wet | 5.61 | | 94.8 | 60-140 | 7.58 | 40 |
| delta-BHC | 4.90 | | 0.935 | ug/kg wet | 5.61 | | 87.3 | 60-140 | 4.23 | 40 |
| Dieldrin | 5.13 | | 0.935 | ug/kg wet | 5.61 | | 91.4 | 60-140 | 6.59 | 40 |
| Endosulfan I | 4.97 | | 0.935 | ug/kg wet | 5.61 | | 88.6 | 60-140 | 6.12 | 40 |
| Endosulfan II | 5.23 | | 0.935 | ug/kg wet | 5.61 | | 93.1 | 60-140 | 3.91 | 40 |
| Endosulfan sulfate | 4.88 | | 0.935 | ug/kg wet | 5.61 | | 87.0 | 60-140 | 2.50 | 40 |
| Endrin | 4.69 | | 0.935 | ug/kg wet | 5.61 | | 83.6 | 60-140 | 4.58 | 40 |
| Endrin aldehyde | 3.95 | | 0.935 | ug/kg wet | 5.61 | | 70.3 | 60-140 | 3.94 | 40 |
| Endrin ketone | 4.96 | | 0.935 | ug/kg wet | 5.61 | | 88.3 | 60-140 | 5.12 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 4.76 | | 0.935 | ug/kg wet | 5.61 | | 84.8 | 60-140 | 6.98 | 40 |
| gamma-Chlordane | 5.35 | | 0.935 | ug/kg wet | 5.61 | | 95.3 | 60-140 | 6.93 | 40 |
| Heptachlor | 5.23 | | 0.935 | ug/kg wet | 5.61 | | 93.3 | 60-140 | 6.94 | 40 |
| Heptachlor epoxide | 5.06 | | 0.935 | ug/kg wet | 5.61 | | 90.2 | 60-140 | 4.69 | 40 |
| Methoxychlor | 4.81 | | 0.935 | ug/kg wet | 5.61 | | 85.7 | 60-140 | 6.53 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.32* | *ug/kg wet* | *5.61* | | *77.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.25* | *ug/kg wet* | *5.61* | | *93.5* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1952 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC1952-BSD3)** | | | | | Prepared: 3/14/2022 Analyzed: 4/8/2022 | | | | | |
| Chlordane (tech.) | 20.9 | | 0.935 | ug/kg wet | 22.5 | | 93.1 | 60-140 | 3.07 | 40 |
| delta-BHC | 2.99 | J1 | 0.935 | ug/kg wet | 5.61 | | 53.3 | 60-140 | 115 | 40 |
| gamma-Chlordane | 5.28 | | 0.935 | ug/kg wet | 5.61 | | 94.0 | 60-140 | 7.60 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.19* | *ug/kg wet* | *5.61* | | *74.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.67* | *ug/kg wet* | *5.61* | | *101* | *60-140* | | |
| **MDL TOX (BFC1952-MRL1)** | | | | | Prepared: 3/14/2022 Analyzed: 3/29/2022 | | | | | |
| Toxaphene (Chlorinated Camphene) | 15.3 | | 14.7 | ug/kg wet | 14.7 | | 104 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.65* | *ug/kg wet* | *5.89* | | *78.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.56* | *ug/kg wet* | *5.89* | | *94.3* | *60-140* | | |
| **MDL OCP (BFC1952-MRL2)** | | | | | Prepared: 3/14/2022 Analyzed: 3/29/2022 | | | | | |
| 4,4'-DDD | 0.302 | J | 0.931 | ug/kg wet | 0.372 | | 81.1 | | | |
| 4,4'-DDE | 0.246 | J | 0.931 | ug/kg wet | 0.372 | | 66.1 | | | |
| 4,4'-DDT | 0.275 | J | 0.931 | ug/kg wet | 0.372 | | 73.8 | | | |
| Aldrin | 0.229 | J | 0.931 | ug/kg wet | 0.372 | | 61.6 | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.210 | J | 0.931 | ug/kg wet | 0.372 | | 56.4 | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.269 | J | 0.931 | ug/kg wet | 0.372 | | 72.3 | | | |
| Chlordane (tech.) | 0.904 | J | 0.931 | ug/kg wet | 1.49 | | 60.7 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.223 | J | 0.931 | ug/kg wet | 0.372 | | 59.9 | | | |
| delta-BHC | 0.304 | J | 0.931 | ug/kg wet | 0.372 | | 81.5 | | | |
| Dieldrin | 0.284 | J | 0.931 | ug/kg wet | 0.372 | | 76.2 | | | |
| Endosulfan I | 0.272 | J | 0.931 | ug/kg wet | 0.372 | | 72.9 | | | |
| Endosulfan II | 0.246 | J | 0.931 | ug/kg wet | 0.372 | | 66.0 | | | |
| Endosulfan sulfate | 0.261 | J | 0.931 | ug/kg wet | 0.372 | | 70.1 | | | |
| Endrin | 0.219 | J | 0.931 | ug/kg wet | 0.372 | | 58.9 | | | |
| Endrin aldehyde | 0.213 | J | 0.931 | ug/kg wet | 0.372 | | 57.1 | | | |
| Endrin ketone | 0.285 | J | 0.931 | ug/kg wet | 0.372 | | 76.6 | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.273 | J | 0.931 | ug/kg wet | 0.372 | | 73.3 | | | |
| gamma-Chlordane | 0.228 | J | 0.931 | ug/kg wet | 0.372 | | 61.3 | | | |
| Heptachlor | 0.200 | J | 0.931 | ug/kg wet | 0.372 | | 53.7 | | | |
| Heptachlor epoxide | 0.253 | J | 0.931 | ug/kg wet | 0.372 | | 67.8 | | | |
| Methoxychlor | 0.283 | J | 0.931 | ug/kg wet | 0.372 | | 75.9 | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *3.97* | *ug/kg wet* | *5.59* | | *71.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.29* | *ug/kg wet* | *5.59* | | *94.7* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1952 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL OCP (BFC1952-MRL3)** | | | | | Prepared: 3/14/2022 Analyzed: 4/8/2022 | | | | | |
| Chlordane (tech.) | 0.979 | | 0.931 | ug/kg wet | 1.49 | | 65.7 | 50-150 | | |
| delta-BHC | 0.0517 | J | 0.931 | ug/kg wet | 0.372 | | 13.9 | | | |
| gamma-Chlordane | 0.303 | J | 0.931 | ug/kg wet | 0.372 | | 81.5 | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.01* | *ug/kg wet* | *5.59* | | *71.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.45* | *ug/kg wet* | *5.59* | | *97.6* | *60-140* | | |
| **Matrix Spike (BFC1952-MS1)** | | **Source: 22B3342-11** | | | Prepared: 3/14/2022 Analyzed: 3/29/2022 | | | | | |
| 4,4'-DDD | 11.5 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 94.9 | 60-140 | | |
| 4,4'-DDE | 11.4 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 94.1 | 60-140 | | |
| 4,4'-DDT | 10.9 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 90.6 | 60-140 | | |
| Aldrin | 9.88 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 81.7 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 10.3 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 84.9 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 7.70 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 63.7 | 60-140 | | |
| Chlordane (tech.) | 131 | J1 | 2.02 | ug/kg dry | 48.4 | <2.02 | 270 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 11.1 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 91.9 | 60-140 | | |
| delta-BHC | 11.1 | | 2.02 | ug/kg dry | 12.1 | 0.660 | 86.1 | 60-140 | | |
| Dieldrin | 10.9 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 90.5 | 60-140 | | |
| Endosulfan I | 10.7 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 88.4 | 60-140 | | |
| Endosulfan II | 10.9 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 90.2 | 60-140 | | |
| Endosulfan sulfate | 10.6 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 87.3 | 60-140 | | |
| Endrin | 10.4 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 86.2 | 60-140 | | |
| Endrin aldehyde | 9.09 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 75.1 | 60-140 | | |
| Endrin ketone | 11.5 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 95.3 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 9.99 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 82.7 | 60-140 | | |
| gamma-Chlordane | 97.5 | J1 | 2.02 | ug/kg dry | 12.1 | <2.02 | 807 | 60-140 | | |
| Heptachlor | 11.5 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 94.8 | 60-140 | | |
| Heptachlor epoxide | 10.5 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 86.7 | 60-140 | | |
| Methoxychlor | 11.0 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 90.8 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *8.61* | *ug/kg dry* | *12.1* | | *71.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *11.7* | *ug/kg dry* | *12.1* | | *96.5* | *60-140* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1952 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC1952-MS2)** | **Source: 22B3342-11RE1** | | | | Prepared: 3/14/2022 Analyzed: 4/8/2022 | | | | | |
| Chlordane (tech.) | 43.7 | | 2.02 | ug/kg dry | 48.4 | <2.02 | 90.4 | 60-140 | | |
| delta-BHC | 8.15 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 67.4 | 60-140 | | |
| gamma-Chlordane | 10.7 | | 2.02 | ug/kg dry | 12.1 | <2.02 | 88.1 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *8.71* | *ug/kg dry* | *12.1* | | *72.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *12.0* | *ug/kg dry* | *12.1* | | *99.5* | *60-140* | | |
| **Matrix Spike Dup (BFC1952-MSD1)** | **Source: 22B3342-11** | | | | Prepared: 3/14/2022 Analyzed: 3/29/2022 | | | | | |
| 4,4'-DDD | 11.6 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 93.8 | 60-140 | 1.22 | 40 |
| 4,4'-DDE | 12.4 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 100 | 60-140 | 8.89 | 40 |
| 4,4'-DDT | 12.7 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 102 | 60-140 | 14.6 | 40 |
| Aldrin | 11.0 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 89.1 | 60-140 | 11.0 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 11.2 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 90.5 | 60-140 | 8.75 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 8.86 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 71.6 | 60-140 | 14.0 | 40 |
| Chlordane (tech.) | 36.1 | J1 | 2.06 | ug/kg dry | 49.5 | <2.06 | 72.9 | 60-140 | 113 | 40 |
| cis-Chlordane (alpha-Chlordane) | 12.3 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 99.1 | 60-140 | 9.95 | 40 |
| delta-BHC | 11.5 | | 2.06 | ug/kg dry | 12.4 | 0.660 | 87.4 | 60-140 | 3.58 | 40 |
| Dieldrin | 11.7 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 94.2 | 60-140 | 6.29 | 40 |
| Endosulfan I | 12.1 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 97.4 | 60-140 | 12.0 | 40 |
| Endosulfan II | 12.0 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 97.1 | 60-140 | 9.71 | 40 |
| Endosulfan sulfate | 11.3 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 91.1 | 60-140 | 6.54 | 40 |
| Endrin | 12.1 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 97.8 | 60-140 | 15.0 | 40 |
| Endrin aldehyde | 9.53 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 77.0 | 60-140 | 4.77 | 40 |
| Endrin ketone | 12.2 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 98.3 | 60-140 | 5.43 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 11.2 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 90.4 | 60-140 | 11.3 | 40 |
| gamma-Chlordane | <2.06 | J1, U | 2.06 | ug/kg dry | 12.4 | <2.06 | | 60-140 | 200 | 40 |
| Heptachlor | 11.9 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 96.4 | 60-140 | 4.02 | 40 |
| Heptachlor epoxide | 11.9 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 96.3 | 60-140 | 12.8 | 40 |
| Methoxychlor | 12.4 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 100 | 60-140 | 12.3 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *9.20* | *ug/kg dry* | *12.4* | | *74.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *12.6* | *ug/kg dry* | *12.4* | | *102* | *60-140* | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1952 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1952-MSD2)** | | | **Source: 22B3342-11RE1** | | Prepared: 3/14/2022 Analyzed: 4/8/2022 | | | | | |
| Chlordane (tech.) | 47.3 | | 2.06 | ug/kg dry | 49.5 | <2.06 | 95.5 | 60-140 | 7.88 | 40 |
| delta-BHC | 8.39 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 67.8 | 60-140 | 2.84 | 40 |
| gamma-Chlordane | 11.2 | | 2.06 | ug/kg dry | 12.4 | <2.06 | 90.3 | 60-140 | 4.72 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *9.22* | *ug/kg dry* | *12.4* | | *74.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *12.3* | *ug/kg dry* | *12.4* | | *99.4* | *60-140* | | |
| ***Batch: BFC1955 - SW-3570*** | | | | | | | | | | |
| **Blank (BFC1955-BLK1)** | | | | | Prepared: 3/14/2022 Analyzed: 4/2/2022 | | | | | |
| PCBs, Total | <1.95 | U | 1.95 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.394* | *ug/kg wet* | *0.584* | | *67.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.554* | *ug/kg wet* | *0.584* | | *94.9* | *60-140* | | |
| **LCS (BFC1955-BS1)** | | | | | Prepared: 3/14/2022 Analyzed: 4/2/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 5.66 | | 1.99 | ug/kg wet | 5.98 | | 94.7 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 5.72 | | 1.99 | ug/kg wet | 5.98 | | 95.8 | 60-140 | | |
| PCBs, Total | 5.71 | | 1.99 | ug/kg wet | 5.98 | | 95.5 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.510* | *ug/kg wet* | *0.598* | | *85.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.656* | *ug/kg wet* | *0.598* | | *110* | *60-140* | | |
| **LCS Dup (BFC1955-BSD1)** | | | | | Prepared: 3/14/2022 Analyzed: 4/2/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 6.19 | | 1.96 | ug/kg wet | 5.89 | | 105 | 60-140 | 9.00 | 40 |
| Aroclor-1260 (PCB-1260) | 6.31 | | 1.96 | ug/kg wet | 5.89 | | 107 | 60-140 | 9.82 | 40 |
| PCBs, Total | 6.28 | | 1.96 | ug/kg wet | 5.89 | | 107 | 60-140 | 9.60 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.466* | *ug/kg wet* | *0.589* | | *79.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.632* | *ug/kg wet* | *0.589* | | *107* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1955 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL PCB (BFC1955-MRL1)** | | | | | Prepared: 3/14/2022 Analyzed: 4/2/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.41 | J | 1.98 | ug/kg wet | 1.19 | | 119 | 50-150 | | |
| Aroclor-1221 (PCB-1221) | 2.15 | | 1.98 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1232 (PCB-1232) | 4.38 | | 1.98 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1242 (PCB-1242) | 2.19 | | 1.98 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1248 (PCB-1248) | <1.98 | U | 1.98 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1254 (PCB-1254) | 1.74 | J | 1.98 | ug/kg wet | | | | 50-150 | | |
| Aroclor-1260 (PCB-1260) | 1.04 | J | 1.98 | ug/kg wet | 1.19 | | 87.0 | 50-150 | | |
| PCBs, Total | 1.15 | J | 1.98 | ug/kg wet | 1.19 | | 96.4 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.481* | *ug/kg wet* | *0.595* | | *80.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.641* | *ug/kg wet* | *0.595* | | *108* | *60-140* | | |
| **Matrix Spike (BFC1955-MS1)** | | **Source: 22A3944-43** | | | Prepared: 3/14/2022 Analyzed: 4/2/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 9.77 | | 3.38 | ug/kg dry | 10.1 | <3.38 | 96.3 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 8.21 | | 3.38 | ug/kg dry | 10.1 | <3.38 | 80.9 | 60-140 | | |
| PCBs, Total | 8.64 | | 3.38 | ug/kg dry | 10.1 | <3.38 | 85.2 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.879* | *ug/kg dry* | *1.01* | | *86.7* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.08* | *ug/kg dry* | *1.01* | | *106* | *60-140* | | |
| **Matrix Spike Dup (BFC1955-MSD1)** | | **Source: 22A3944-43** | | | Prepared: 3/14/2022 Analyzed: 4/2/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 9.36 | | 3.43 | ug/kg dry | 10.3 | <3.43 | 91.0 | 60-140 | 4.32 | 40 |
| Aroclor-1260 (PCB-1260) | 8.36 | | 3.43 | ug/kg dry | 10.3 | <3.43 | 81.3 | 60-140 | 1.90 | 40 |
| PCBs, Total | 8.64 | | 3.43 | ug/kg dry | 10.3 | <3.43 | 84.0 | 60-140 | 0.0244 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.918* | *ug/kg dry* | *1.03* | | *89.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.03* | *ug/kg dry* | *1.03* | | *99.8* | *60-140* | | |
| ***Batch: BFC2320 - SW-3511*** | | | | | | | | | | |
| **Blank (BFC2320-BLK1)** | | | | | Prepared: 3/16/2022 Analyzed: 3/17/2022 | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.144* | *ug/L* | *0.120* | | *120* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.102* | *ug/L* | *0.120* | | *85.0* | *60-140* | | |

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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2320 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC2320-BS1)** | | | | | Prepared: 3/16/2022 Analyzed: 3/18/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.51 | | 0.120 | ug/L | 1.20 | | 126 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 1.23 | | 0.120 | ug/L | 1.20 | | 103 | 60-140 | | |
| PCBs, Total | 1.31 | | 0.120 | ug/L | 1.20 | | 109 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.128* | *ug/L* | *0.120* | | *107* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.107* | *ug/L* | *0.120* | | *89.4* | *60-140* | | |
| **LCS Dup (BFC2320-BSD1)** | | | | | Prepared: 3/16/2022 Analyzed: 3/18/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.47 | | 0.120 | ug/L | 1.20 | | 123 | 60-140 | 2.32 | 40 |
| Aroclor-1260 (PCB-1260) | 1.23 | | 0.120 | ug/L | 1.20 | | 102 | 60-140 | 0.235 | 40 |
| PCBs, Total | 1.30 | | 0.120 | ug/L | 1.20 | | 108 | 60-140 | 0.882 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.138* | *ug/L* | *0.120* | | *115* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.115* | *ug/L* | *0.120* | | *95.9* | *60-140* | | |
| **MDL PCB (BFC2320-MRL1)** | | | | | Prepared: 3/16/2022 Analyzed: 3/17/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 0.501 | | 0.118 | ug/L | 0.236 | | 212 | 50-150 | | |
| Aroclor-1221 (PCB-1221) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1232 (PCB-1232) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1242 (PCB-1242) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1248 (PCB-1248) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1254 (PCB-1254) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1260 (PCB-1260) | 0.226 | | 0.118 | ug/L | 0.236 | | 95.9 | 50-150 | | |
| PCBs, Total | 0.309 | | 0.118 | ug/L | 0.236 | | 131 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.131* | *ug/L* | *0.118* | | *111* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0998* | *ug/L* | *0.118* | | *84.7* | *60-140* | | |
| **Matrix Spike (BFC2320-MS1)** | | **Source: 22B3342-02** | | | Prepared: 3/16/2022 Analyzed: 3/18/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.24 | | 0.120 | ug/L | 1.20 | <0.120 | 103 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 0.934 | | 0.120 | ug/L | 1.20 | <0.120 | 77.9 | 60-140 | | |
| PCBs, Total | 1.02 | | 0.120 | ug/L | 1.20 | <0.120 | 85.1 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.136* | *ug/L* | *0.120* | | *113* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0720* | *ug/L* | *0.120* | | *60.1* | *60-140* | | |

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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2320 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC2320-MSD1)** | **Source: 22B3342-02** | | | | Prepared: 3/16/2022 Analyzed: 3/18/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.27 | | 0.120 | ug/L | 1.20 | <0.120 | 106 | 60-140 | 2.46 | 40 |
| Aroclor-1260 (PCB-1260) | 0.938 | | 0.120 | ug/L | 1.20 | <0.120 | 78.3 | 60-140 | 0.416 | 40 |
| PCBs, Total | 1.03 | | 0.120 | ug/L | 1.20 | <0.120 | 86.1 | 60-140 | 1.10 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.133* | *ug/L* | *0.120* | | *111* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0633* | *ug/L* | *0.120* | | *52.8* | *60-140* | | |
| ***Batch: BFC3613 - SW-3570*** | | | | | | | | | | |
| **Blank (BFC3613-BLK1)** | | | | | Prepared: 3/25/2022 Analyzed: 3/29/2022 | | | | | |
| 4,4'-DDD | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| 4,4'-DDE | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| 4,4'-DDT | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Aldrin | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Chlordane (tech.) | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| delta-BHC | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Dieldrin | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Endosulfan I | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Endosulfan II | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Endosulfan sulfate | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Endrin | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Endrin aldehyde | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Endrin ketone | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| gamma-Chlordane | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Heptachlor | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Heptachlor epoxide | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Methoxychlor | <0.935 | U | 0.935 | ug/kg wet | | | | | | |
| Toxaphene (Chlorinated Camphene) | <14.0 | U | 14.0 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.34* | *ug/kg wet* | *5.61* | | *77.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.33* | *ug/kg wet* | *5.61* | | *95.0* | *60-140* | | |

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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC3613 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFC3613-BS1)** | | | | | Prepared: 3/25/2022 Analyzed: 3/29/2022 | | | | | |
| Toxaphene (Chlorinated Camphene) | 64.8 | | 13.9 | ug/kg wet | 55.7 | | 116 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.59* | *ug/kg wet* | *5.57* | | *82.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.37* | *ug/kg wet* | *5.57* | | *96.4* | *60-140* | | |
| **LCS (BFC3613-BS2)** | | | | | Prepared: 3/25/2022 Analyzed: 3/29/2022 | | | | | |
| 4,4'-DDD | 5.50 | | 0.975 | ug/kg wet | 5.85 | | 94.1 | 60-140 | | |
| 4,4'-DDE | 5.53 | | 0.975 | ug/kg wet | 5.85 | | 94.6 | 60-140 | | |
| 4,4'-DDT | 5.24 | | 0.975 | ug/kg wet | 5.85 | | 89.6 | 60-140 | | |
| Aldrin | 5.16 | | 0.975 | ug/kg wet | 5.85 | | 88.2 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 4.96 | | 0.975 | ug/kg wet | 5.85 | | 84.8 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 4.71 | | 0.975 | ug/kg wet | 5.85 | | 80.6 | 60-140 | | |
| Chlordane (tech.) | 21.3 | | 0.975 | ug/kg wet | 23.4 | | 91.0 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 5.51 | | 0.975 | ug/kg wet | 5.85 | | 94.3 | 60-140 | | |
| delta-BHC | 4.72 | | 0.975 | ug/kg wet | 5.85 | | 80.8 | 60-140 | | |
| Dieldrin | 5.16 | | 0.975 | ug/kg wet | 5.85 | | 88.2 | 60-140 | | |
| Endosulfan I | 4.97 | | 0.975 | ug/kg wet | 5.85 | | 84.9 | 60-140 | | |
| Endosulfan II | 5.07 | | 0.975 | ug/kg wet | 5.85 | | 86.7 | 60-140 | | |
| Endosulfan sulfate | 4.68 | | 0.975 | ug/kg wet | 5.85 | | 80.0 | 60-140 | | |
| Endrin | 4.20 | | 0.975 | ug/kg wet | 5.85 | | 71.8 | 60-140 | | |
| Endrin aldehyde | 4.37 | | 0.975 | ug/kg wet | 5.85 | | 74.8 | 60-140 | | |
| Endrin ketone | 5.14 | | 0.975 | ug/kg wet | 5.85 | | 88.0 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 4.60 | | 0.975 | ug/kg wet | 5.85 | | 78.7 | 60-140 | | |
| gamma-Chlordane | 5.46 | | 0.975 | ug/kg wet | 5.85 | | 93.3 | 60-140 | | |
| Heptachlor | 5.21 | | 0.975 | ug/kg wet | 5.85 | | 89.0 | 60-140 | | |
| Heptachlor epoxide | 5.10 | | 0.975 | ug/kg wet | 5.85 | | 87.3 | 60-140 | | |
| Methoxychlor | 4.66 | | 0.975 | ug/kg wet | 5.85 | | 79.8 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.35* | *ug/kg wet* | *5.85* | | *74.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.50* | *ug/kg wet* | *5.85* | | *94.1* | *60-140* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC3613 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC3613-BSD1)** | | | | | Prepared: 3/25/2022 Analyzed: 3/29/2022 | | | | | |
| Toxaphene (Chlorinated Camphene) | 71.9 | | 14.2 | ug/kg wet | 56.9 | | 126 | 60-140 | 10.4 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.13* | *ug/kg wet* | *5.69* | | *90.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.81* | *ug/kg wet* | *5.69* | | *102* | *60-140* | | |
| **LCS Dup (BFC3613-BSD2)** | | | | | Prepared: 3/25/2022 Analyzed: 3/29/2022 | | | | | |
| 4,4'-DDD | 5.25 | | 0.967 | ug/kg wet | 5.80 | | 90.4 | 60-140 | 4.80 | 40 |
| 4,4'-DDE | 5.23 | | 0.967 | ug/kg wet | 5.80 | | 90.2 | 60-140 | 5.55 | 40 |
| 4,4'-DDT | 4.99 | | 0.967 | ug/kg wet | 5.80 | | 86.0 | 60-140 | 4.96 | 40 |
| Aldrin | 5.00 | | 0.967 | ug/kg wet | 5.80 | | 86.2 | 60-140 | 3.03 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 5.03 | | 0.967 | ug/kg wet | 5.80 | | 86.7 | 60-140 | 1.44 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 4.56 | | 0.967 | ug/kg wet | 5.80 | | 78.6 | 60-140 | 3.26 | 40 |
| Chlordane (tech.) | 20.2 | | 0.967 | ug/kg wet | 23.2 | | 87.2 | 60-140 | 5.02 | 40 |
| cis-Chlordane (alpha-Chlordane) | 5.21 | | 0.967 | ug/kg wet | 5.80 | | 89.8 | 60-140 | 5.59 | 40 |
| delta-BHC | 4.66 | | 0.967 | ug/kg wet | 5.80 | | 80.3 | 60-140 | 1.36 | 40 |
| Dieldrin | 5.01 | | 0.967 | ug/kg wet | 5.80 | | 86.3 | 60-140 | 2.97 | 40 |
| Endosulfan I | 4.70 | | 0.967 | ug/kg wet | 5.80 | | 80.9 | 60-140 | 5.56 | 40 |
| Endosulfan II | 4.81 | | 0.967 | ug/kg wet | 5.80 | | 82.9 | 60-140 | 5.27 | 40 |
| Endosulfan sulfate | 4.51 | | 0.967 | ug/kg wet | 5.80 | | 77.7 | 60-140 | 3.66 | 40 |
| Endrin | 4.09 | | 0.967 | ug/kg wet | 5.80 | | 70.4 | 60-140 | 2.65 | 40 |
| Endrin aldehyde | 4.17 | | 0.967 | ug/kg wet | 5.80 | | 71.9 | 60-140 | 4.76 | 40 |
| Endrin ketone | 5.21 | | 0.967 | ug/kg wet | 5.80 | | 89.7 | 60-140 | 1.22 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 4.64 | | 0.967 | ug/kg wet | 5.80 | | 79.9 | 60-140 | 0.667 | 40 |
| gamma-Chlordane | 5.15 | | 0.967 | ug/kg wet | 5.80 | | 88.7 | 60-140 | 5.86 | 40 |
| Heptachlor | 5.14 | | 0.967 | ug/kg wet | 5.80 | | 88.5 | 60-140 | 1.32 | 40 |
| Heptachlor epoxide | 4.74 | | 0.967 | ug/kg wet | 5.80 | | 81.7 | 60-140 | 7.39 | 40 |
| Methoxychlor | 4.60 | | 0.967 | ug/kg wet | 5.80 | | 79.2 | 60-140 | 1.47 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.13* | *ug/kg wet* | *5.80* | | *71.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.46* | *ug/kg wet* | *5.80* | | *94.1* | *60-140* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC3613 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL TOX (BFC3613-MRL1)** | | | | | Prepared: 3/25/2022 Analyzed: 3/29/2022 | | | | | |
| Toxaphene (Chlorinated Camphene) | 15.6 | | 13.9 | ug/kg wet | 13.9 | | 112 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.54* | *ug/kg wet* | *5.56* | | *81.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.45* | *ug/kg wet* | *5.56* | | *98.0* | *60-140* | | |
| **MDL OCP (BFC3613-MRL2)** | | | | | Prepared: 3/25/2022 Analyzed: 3/29/2022 | | | | | |
| 4,4'-DDD | 0.365 | J | 0.955 | ug/kg wet | 0.382 | | 95.5 | 50-150 | | |
| 4,4'-DDE | 0.284 | J | 0.955 | ug/kg wet | 0.382 | | 74.4 | | | |
| 4,4'-DDT | 0.295 | J | 0.955 | ug/kg wet | 0.382 | | 77.2 | | | |
| Aldrin | 0.247 | J | 0.955 | ug/kg wet | 0.382 | | 64.6 | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.236 | J | 0.955 | ug/kg wet | 0.382 | | 61.8 | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.285 | J | 0.955 | ug/kg wet | 0.382 | | 74.5 | | | |
| Chlordane (tech.) | 1.03 | | 0.955 | ug/kg wet | 1.53 | | 67.5 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.262 | J | 0.955 | ug/kg wet | 0.382 | | 68.5 | | | |
| delta-BHC | 0.279 | J | 0.955 | ug/kg wet | 0.382 | | 73.1 | | | |
| Dieldrin | 0.326 | J | 0.955 | ug/kg wet | 0.382 | | 85.4 | | | |
| Endosulfan I | 0.297 | J | 0.955 | ug/kg wet | 0.382 | | 77.8 | | | |
| Endosulfan II | 0.281 | J | 0.955 | ug/kg wet | 0.382 | | 73.5 | | | |
| Endosulfan sulfate | 0.258 | J | 0.955 | ug/kg wet | 0.382 | | 67.4 | | | |
| Endrin | 0.213 | J | 0.955 | ug/kg wet | 0.382 | | 55.9 | | | |
| Endrin aldehyde | 0.283 | J | 0.955 | ug/kg wet | 0.382 | | 74.2 | | | |
| Endrin ketone | 0.327 | J | 0.955 | ug/kg wet | 0.382 | | 85.6 | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.287 | J | 0.955 | ug/kg wet | 0.382 | | 75.2 | | | |
| gamma-Chlordane | 0.264 | J | 0.955 | ug/kg wet | 0.382 | | 69.2 | | | |
| Heptachlor | 0.236 | J | 0.955 | ug/kg wet | 0.382 | | 61.7 | | | |
| Heptachlor epoxide | 0.270 | J | 0.955 | ug/kg wet | 0.382 | | 70.6 | | | |
| Methoxychlor | 0.266 | J | 0.955 | ug/kg wet | 0.382 | | 69.7 | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.29* | *ug/kg wet* | *5.73* | | *74.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.47* | *ug/kg wet* | *5.73* | | *95.5* | *60-140* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC3613 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC3613-MS1)** | **Source: 22A3944-28RE1** | | | Prepared: 3/25/2022 Analyzed: 3/29/2022 | | | | | | |
| 4,4'-DDD | 5.79 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 84.0 | 60-140 | | |
| 4,4'-DDE | 5.53 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 80.3 | 60-140 | | |
| 4,4'-DDT | 5.49 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 79.5 | 60-140 | | |
| Aldrin | 5.21 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 75.5 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 5.63 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 81.7 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 4.94 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 71.6 | 60-140 | | |
| Chlordane (tech.) | 81.9 | J1 | 1.15 | ug/kg dry | 27.6 | <1.15 | 297 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 5.47 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 79.4 | 60-140 | | |
| delta-BHC | 7.81 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 113 | 60-140 | | |
| Dieldrin | 5.39 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 78.2 | 60-140 | | |
| Endosulfan I | 5.35 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 77.6 | 60-140 | | |
| Endosulfan II | 5.41 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 78.4 | 60-140 | | |
| Endosulfan sulfate | 5.22 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 75.7 | 60-140 | | |
| Endrin | 5.10 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 73.9 | 60-140 | | |
| Endrin aldehyde | 4.43 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 64.3 | 60-140 | | |
| Endrin ketone | 5.84 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 84.7 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 5.14 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 74.5 | 60-140 | | |
| gamma-Chlordane | 61.6 | J1 | 1.15 | ug/kg dry | 6.90 | <1.15 | 894 | 60-140 | | |
| Heptachlor | 6.86 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 99.4 | 60-140 | | |
| Heptachlor epoxide | 7.94 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 115 | 60-140 | | |
| Methoxychlor | 5.44 | | 1.15 | ug/kg dry | 6.90 | <1.15 | 78.9 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.34* | *ug/kg dry* | *6.90* | | *77.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.56* | *ug/kg dry* | *6.90* | | *95.2* | *60-140* | | |
| **Matrix Spike Dup (BFC3613-MSD1)** | **Source: 22A3944-28RE1** | | | Prepared: 3/25/2022 Analyzed: 3/29/2022 | | | | | | |
| 4,4'-DDD | 6.20 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 92.5 | 60-140 | 6.88 | 40 |
| 4,4'-DDE | 6.15 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 91.6 | 60-140 | 10.5 | 40 |
| 4,4'-DDT | 6.03 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 89.9 | 60-140 | 9.51 | 40 |
| Aldrin | 5.74 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 85.6 | 60-140 | 9.77 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 5.84 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 87.0 | 60-140 | 3.56 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 5.19 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 77.4 | 60-140 | 4.96 | 40 |
| Chlordane (tech.) | 24.0 | J1 | 1.12 | ug/kg dry | 26.8 | <1.12 | 89.4 | 60-140 | 109 | 40 |
| cis-Chlordane (alpha-Chlordane) | 6.01 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 89.6 | 60-140 | 9.36 | 40 |
| delta-BHC | 5.71 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 85.1 | 60-140 | 31.1 | 40 |
| Dieldrin | 5.95 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 88.7 | 60-140 | 9.88 | 40 |
| Endosulfan I | 5.79 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 86.4 | 60-140 | 7.98 | 40 |
| Endosulfan II | 5.77 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 86.1 | 60-140 | 6.56 | 40 |
| Endosulfan sulfate | 5.38 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 80.3 | 60-140 | 3.05 | 40 |
| Endrin | 5.12 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 76.3 | 60-140 | 0.433 | 40 |
| Endrin aldehyde | 4.84 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 72.2 | 60-140 | 8.86 | 40 |
| Endrin ketone | 5.78 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 86.1 | 60-140 | 1.06 | 40 |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC3613 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC3613-MSD1)** | | | **Source: 22A3944-28RE1** | | Prepared: 3/25/2022 Analyzed: 3/29/2022 | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 5.59 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 83.3 | 60-140 | 8.35 | 40 |
| gamma-Chlordane | 5.99 | J1 | 1.12 | ug/kg dry | 6.71 | <1.12 | 89.3 | 60-140 | 165 | 40 |
| Heptachlor | 6.16 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 91.9 | 60-140 | 10.6 | 40 |
| Heptachlor epoxide | 5.83 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 87.0 | 60-140 | 30.6 | 40 |
| Methoxychlor | 5.53 | | 1.12 | ug/kg dry | 6.71 | <1.12 | 82.4 | 60-140 | 1.61 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.31* | *ug/kg dry* | *6.71* | | *79.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.38* | *ug/kg dry* | *6.71* | | *95.1* | *60-140* | | |

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# Quality Control
**(Continued)**

## Metals, Total

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2766 - EPA 200.8*** | | | | | | | | | | |
| **Blank (BFB2766-BLK1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Selenium | <5.00 | U | 5.00 | ug/L | | | | | | |
| **LCS (BFB2766-BS1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Selenium | 201 | | 5.00 | ug/L | 200 | | 101 | 85-115 | | |
| **Duplicate (BFB2766-DUP1)** | | **Source: 22A3944-01** | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Selenium | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| **MRL Check (BFB2766-MRL1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Selenium | 0.266 | J | 5.00 | ug/L | 0.330 | | 80.6 | | | |
| **Matrix Spike (BFB2766-MS1)** | | **Source: 22A3944-01** | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Selenium | 209 | | 5.00 | ug/L | 200 | <5.00 | 105 | 75-125 | | |
| ***Batch: BFB2807 - EPA 245.1*** | | | | | | | | | | |
| **Blank (BFB2807-BLK1)** | | | | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | | | | | |
| **LCS (BFB2807-BS1)** | | | | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Mercury | 5.12 | | 0.200 | ug/L | 5.00 | | 102 | 85-115 | | |
| **Duplicate (BFB2807-DUP1)** | | **Source: 22A3944-07** | | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **MDL Check (BFB2807-MRL1)** | | | | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | 0.100 | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2807 - EPA 245.1 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB2807-MS1)** | | **Source: 22A3944-07** | | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Mercury | 5.19 | | 0.200 | ug/L | 5.00 | <0.200 | 104 | 70-130 | | |
| ***Batch: BFB2873 - EPA 200.8 Solid*** | | | | | | | | | | |
| **Blank (BFB2873-BLK1)** | | | | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Antimony | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Arsenic | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Cadmium | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Chromium | <0.300 | U | 0.300 | mg/kg wet | | | | | | |
| Copper | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Lead | 0.00500 | J | 0.0500 | mg/kg wet | | | | | | |
| Nickel | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Selenium | <0.500 | U | 0.500 | mg/kg wet | | | | | | |
| Silver | 0.00260 | J | 0.0500 | mg/kg wet | | | | | | |
| Thallium | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Zinc | 0.491 | | 0.200 | mg/kg wet | | | | | | |
| **Blank (BFB2873-BLK2)** | | | | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Beryllium | <0.0200 | U | 0.0200 | mg/kg wet | | | | | | |
| **Duplicate (BFB2873-DUP1)** | | **Source: 22A3944-28** | | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Antimony | <0.843 | U | 0.843 | mg/kg dry | | <0.843 | | | | 20 |
| Arsenic | 1.06 | J1 | 0.421 | mg/kg dry | | 3.91 | | | 115 | 20 |
| Cadmium | <0.843 | U | 0.843 | mg/kg dry | | 0.107 | | | 200 | 20 |
| Chromium | 3.81 | | 2.52 | mg/kg dry | | 4.76 | | | 22.3 | 20 |
| Copper | 2.80 | | 0.843 | mg/kg dry | | 6.15 | | | 74.8 | 20 |
| Lead | 4.03 | J1 | 0.421 | mg/kg dry | | 7.04 | | | 54.5 | 20 |
| Nickel | 2.75 | J1 | 0.843 | mg/kg dry | | 5.00 | | | 58.1 | 20 |
| Selenium | <4.21 | U | 4.21 | mg/kg dry | | 0.959 | | | 200 | 20 |
| Silver | <0.421 | U | 0.421 | mg/kg dry | | <0.421 | | | 200 | 20 |
| Thallium | 0.0640 | J | 0.421 | mg/kg dry | | 0.0872 | | | 30.7 | 20 |
| Zinc | 10.5 | J1 | 1.68 | mg/kg dry | | 15.3 | | | 36.9 | 20 |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2873 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Duplicate (BFB2873-DUP2)** | | | **Source: 22A3944-28** | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Beryllium | 0.173 | J1 | 0.168 | mg/kg dry | | 0.247 | | | 35.3 | 20 |
| **MRL Check (BFB2873-MRL1)** | | | | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Antimony | 0.0861 | J | 0.100 | mg/kg wet | 0.0400 | | 215 | | | |
| Arsenic | <0.0500 | U | 0.0500 | mg/kg wet | 0.0200 | | | | | |
| Cadmium | 0.00280 | J | 0.100 | mg/kg wet | 0.0100 | | 28.0 | | | |
| Chromium | 0.0240 | J | 0.300 | mg/kg wet | 0.0160 | | 150 | | | |
| Copper | 0.0166 | J | 0.100 | mg/kg wet | 0.0400 | | 41.5 | | | |
| Lead | 0.0111 | J | 0.0500 | mg/kg wet | 0.0200 | | 55.5 | | | |
| Nickel | 0.0110 | J | 0.100 | mg/kg wet | 0.0100 | | 110 | | | |
| Selenium | 0.102 | J | 0.500 | mg/kg wet | 0.0660 | | 155 | | | |
| Silver | 0.00510 | J | 0.0500 | mg/kg wet | 0.00600 | | 85.0 | | | |
| Thallium | 0.00430 | J | 0.0500 | mg/kg wet | 0.00600 | | 71.7 | | | |
| Zinc | 0.640 | | 0.200 | mg/kg wet | 0.0400 | | NR | | | |
| **MDL Check (BFB2873-MRL2)** | | | | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Beryllium | 0.000900 | J | 0.0200 | mg/kg wet | 0.00200 | | 45.0 | | | |
| ***Batch: BFB2900 - SW-7471*** | | | | | | | | | | |
| **Blank (BFB2900-BLK1)** | | | | | Prepared: 2/22/2022 Analyzed: 2/23/2022 | | | | | |
| Mercury | <0.0200 | U | 0.0200 | mg/kg wet | | | | | | |
| **LCS (BFB2900-BS1)** | | | | | Prepared: 2/22/2022 Analyzed: 2/23/2022 | | | | | |
| Mercury | 0.264 | | 0.0200 | mg/kg wet | 0.250 | | 106 | 80-120 | | |
| **MDL Check (BFB2900-MRL1)** | | | | | Prepared: 2/22/2022 Analyzed: 2/23/2022 | | | | | |
| Mercury | 0.0112 | J | 0.0200 | mg/kg wet | 0.0100 | | 112 | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2900 - SW-7471 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB2900-MS1)** | | **Source: 22A3944-28** | | | Prepared: 2/22/2022 Analyzed: 2/23/2022 | | | | | |
| Mercury | 0.152 | | 0.0102 | mg/kg dry | 0.128 | 0.00663 | 113 | 80-120 | | |
| **Matrix Spike Dup (BFB2900-MSD1)** | | **Source: 22A3944-28** | | | Prepared: 2/22/2022 Analyzed: 2/23/2022 | | | | | |
| Mercury | 0.142 | | 0.00977 | mg/kg dry | 0.122 | 0.00663 | 111 | 80-120 | 6.53 | 20 |
| ***Batch: BFB3096 - EPA 245.1*** | | | | | | | | | | |
| **Blank (BFB3096-BLK1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | | | | | |
| **LCS (BFB3096-BS1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Mercury | 5.41 | | 0.200 | ug/L | 5.00 | | 108 | 85-115 | | |
| **Duplicate (BFB3096-DUP1)** | | **Source: 22A3944-10** | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **MDL Check (BFB3096-MRL1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | 0.100 | | | | | |
| **Matrix Spike (BFB3096-MS1)** | | **Source: 22A3944-10** | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Mercury | 5.42 | | 0.200 | ug/L | 5.00 | <0.200 | 108 | 70-130 | | |
| ***Batch: BFB3136 - SW-7471*** | | | | | | | | | | |
| **Blank (BFB3136-BLK1)** | | | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Mercury | <0.0200 | U | 0.0200 | mg/kg wet | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3136 - SW-7471 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3136-BS1)** | | | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Mercury | 0.253 | | 0.0200 | mg/kg wet | 0.250 | | 101 | 80-120 | | |
| **MDL Check (BFB3136-MRL1)** | | | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Mercury | 0.0157 | J | 0.0200 | mg/kg wet | 0.0100 | | 157 | | | |
| **Matrix Spike (BFB3136-MS1)** | | **Source: 22A3944-40** | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Mercury | 0.171 | J1 | 0.00981 | mg/kg dry | 0.123 | 0.0127 | 129 | 80-120 | | |
| **Matrix Spike Dup (BFB3136-MSD1)** | | **Source: 22A3944-40** | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Mercury | 0.182 | J1 | 0.0102 | mg/kg dry | 0.127 | 0.0127 | 134 | 80-120 | 6.48 | 20 |
| ***Batch: BFB3630 - EPA 200.8*** | | | | | | | | | | |
| **Blank (BFB3630-BLK1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | <5.00 | U | 5.00 | ug/L | | | | | | |
| **LCS (BFB3630-BS1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 193 | | 5.00 | ug/L | 200 | | 96.7 | 85-115 | | |
| **Duplicate (BFB3630-DUP1)** | | **Source: 22A3944-10** | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 3.52 | J | 25.0 | ug/L | | 3.07 | | | 13.6 | 20 |
| **MRL Check (BFB3630-MRL1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 0.690 | J | 5.00 | ug/L | 0.330 | | 209 | | | |
| **Matrix Spike (BFB3630-MS1)** | | **Source: 22A3944-10** | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 1930 | J1 | 50.0 | ug/L | 200 | <50.0 | 965 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3694 - Cr VI*** | | | | | | | | | | |
| **Blank (BFB3694-BLK1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | <5.17 | U | 5.17 | mg/kg wet | | | | | | |
| **LCS (BFB3694-BS1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 7.42 | J1 | 4.90 | mg/kg wet | 9.80 | | 75.7 | 80-120 | | |
| **Duplicate (BFB3694-DUP1)** | | **Source: 22A3944-28** | | | Prepared: 3/3/2022 Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | <5.68 | U | 5.68 | mg/kg dry | | <5.68 | | | | 20 |
| **Duplicate (BFB3694-DUP2)** | | **Source: 22A3987-44** | | | Prepared: 3/3/2022 Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | <5.97 | U | 5.97 | mg/kg dry | | <5.97 | | | | 20 |
| **MRL Check (BFB3694-MRL1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 3.93 | J | 4.83 | mg/kg wet | 4.83 | | 81.5 | 50-150 | | |
| **Matrix Spike (BFB3694-MS1)** | | **Source: 22A3944-28** | | | Prepared: 3/3/2022 Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 8.00 | J1 | 5.57 | mg/kg dry | 11.1 | <5.57 | 71.9 | 75-125 | | |
| **Matrix Spike (BFB3694-MS2)** | | **Source: 22A3944-28** | | | Prepared: 3/3/2022 Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | <1450 | J1, U | 1450 | mg/kg dry | 375 | <1450 | | 75-125 | | |
| **Post Spike (BFB3694-PS1)** | | **Source: 22A3944-28** | | | Prepared: 3/3/2022 Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 142 | J1 | | ug/L | 250 | 5.40 | 54.5 | 85-115 | | |
| ***Batch: BFC0003 - EPA 245.1*** | | | | | | | | | | |
| **Blank (BFC0003-BLK1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0003 - EPA 245.1 (Continued)*** | | | | | | | | | | |
| **LCS (BFC0003-BS1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | 4.52 | | 0.200 | ug/L | 5.00 | | 90.4 | 85-115 | | |
| **Duplicate (BFC0003-DUP1)** | | **Source: 22A3944-08** | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **Duplicate (BFC0003-DUP2)** | | **Source: 22A3944-12** | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **MRL Check (BFC0003-MRL1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | 0.154 | J | 0.200 | ug/L | 0.100 | | 154 | | | |
| **Matrix Spike (BFC0003-MS1)** | | **Source: 22A3944-08** | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | 4.95 | | 0.200 | ug/L | 5.00 | <0.200 | 99.0 | 70-130 | | |
| **Matrix Spike (BFC0003-MS2)** | | **Source: 22A3944-12** | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | 5.20 | | 0.200 | ug/L | 5.00 | <0.200 | 104 | 70-130 | | |
| ***Batch: BFC0177 - SW-7471*** | | | | | | | | | | |
| **Blank (BFC0177-BLK1)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Mercury | <0.0200 | U | 0.0200 | mg/kg wet | | | | | | |
| **LCS (BFC0177-BS1)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Mercury | 0.248 | | 0.0200 | mg/kg wet | 0.250 | | 99.1 | 80-120 | | |
| **MDL Check (BFC0177-MRL1)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Mercury | 0.0138 | J | 0.0200 | mg/kg wet | 0.0100 | | 138 | | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0177 - SW-7471 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0177-MS1)** | | **Source: 22A3944-30** | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Mercury | 0.167 | J1 | 0.00980 | mg/kg dry | 0.123 | <0.00980 | 136 | 80-120 | | |
| **Matrix Spike Dup (BFC0177-MSD1)** | | **Source: 22A3944-30** | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Mercury | 0.173 | J1 | 0.0102 | mg/kg dry | 0.127 | <0.0102 | 136 | 80-120 | 3.42 | 20 |
| ***Batch: BFC0427 - EPA 200.8*** | | | | | | | | | | |
| **Blank (BFC0427-BLK1)** | | | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Selenium | <5.00 | U | 5.00 | ug/L | | | | | | |
| **LCS (BFC0427-BS1)** | | | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Selenium | 209 | | 5.00 | ug/L | 200 | | 105 | 85-115 | | |
| **Duplicate (BFC0427-DUP1)** | | **Source: 22A3944-08** | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Selenium | <50.0 | U | 50.0 | ug/L | | 3.45 | | | 200 | 20 |
| **MRL Check (BFC0427-MRL1)** | | | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Selenium | 0.519 | J | 5.00 | ug/L | 0.330 | | 157 | | | |
| **Matrix Spike (BFC0427-MS1)** | | **Source: 22A3944-08** | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Selenium | 197 | | 50.0 | ug/L | 200 | 3.45 | 96.6 | 75-125 | | |
| ***Batch: BFC0620 - EPA 200.8 Solid*** | | | | | | | | | | |
| **Blank (BFC0620-BLK1)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Antimony | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Arsenic | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Cadmium | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Chromium | <0.300 | U | 0.300 | mg/kg wet | | | | | | |
| Copper | 0.0262 | J | 0.100 | mg/kg wet | | | | | | |
| Lead | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Selenium | <0.500 | U | 0.500 | mg/kg wet | | | | | | |
| Silver | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Thallium | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Zinc | 0.286 | | 0.200 | mg/kg wet | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0620 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Blank (BFC0620-BLK3)** | | | | | Prepared: 3/4/2022 Analyzed: 3/7/2022 | | | | | |
| Beryllium | <0.0200 | U | 0.0200 | mg/kg wet | | | | | | |
| Nickel | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| **LCS (BFC0620-BS1)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Antimony | 10.3 | | 0.100 | mg/kg wet | 10.0 | | 103 | 85-115 | | |
| Arsenic | 5.26 | | 0.0500 | mg/kg wet | 5.00 | | 105 | 85-115 | | |
| Cadmium | 10.2 | | 0.100 | mg/kg wet | 10.0 | | 102 | 85-115 | | |
| Chromium | 30.4 | | 0.300 | mg/kg wet | 30.0 | | 101 | 85-115 | | |
| Copper | 11.0 | | 0.100 | mg/kg wet | 10.0 | | 110 | 85-115 | | |
| Lead | 5.22 | | 0.0500 | mg/kg wet | 5.00 | | 104 | 85-115 | | |
| Selenium | 21.3 | | 0.500 | mg/kg wet | 20.0 | | 107 | 85-115 | | |
| Silver | 5.39 | | 0.0500 | mg/kg wet | 5.00 | | 108 | 85-115 | | |
| Thallium | 5.33 | | 0.0500 | mg/kg wet | 5.00 | | 107 | 85-115 | | |
| Zinc | 20.8 | | 0.200 | mg/kg wet | 20.0 | | 104 | 85-115 | | |
| **LCS (BFC0620-BS3)** | | | | | Prepared: 3/4/2022 Analyzed: 3/7/2022 | | | | | |
| Beryllium | 1.77 | | 0.0200 | mg/kg wet | 2.00 | | 88.5 | 85-115 | | |
| Nickel | 10.2 | | 0.100 | mg/kg wet | 10.0 | | 102 | 85-115 | | |
| **Duplicate (BFC0620-DUP1)** | | **Source: 22A3944-30** | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Antimony | <0.922 | U | 0.922 | mg/kg dry | | <0.922 | | | | 20 |
| Arsenic | 0.324 | J | 0.460 | mg/kg dry | | 0.343 | | | 5.70 | 20 |
| Cadmium | <0.922 | U | 0.922 | mg/kg dry | | <0.922 | | | | 20 |
| Chromium | 1.83 | J | 2.76 | mg/kg dry | | 1.51 | | | 19.3 | 20 |
| Copper | 0.484 | J | 0.922 | mg/kg dry | | 0.549 | | | 12.6 | 20 |
| Lead | 1.52 | | 0.460 | mg/kg dry | | 1.58 | | | 4.28 | 20 |
| Selenium | <4.60 | U | 4.60 | mg/kg dry | | <4.60 | | | | 20 |
| Silver | <0.460 | U | 0.460 | mg/kg dry | | <0.460 | | | | 20 |
| Thallium | <0.460 | U | 0.460 | mg/kg dry | | <0.460 | | | | 20 |
| Zinc | 3.07 | J1 | 1.84 | mg/kg dry | | 4.76 | | | 43.3 | 20 |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0620 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Duplicate (BFC0620-DUP3)** | | | **Source: 22A3944-30** | | Prepared: 3/4/2022 Analyzed: 3/7/2022 | | | | | |
| Beryllium | 0.0346 | J | 0.184 | mg/kg dry | | 0.0518 | | | 39.9 | 20 |
| Nickel | <0.922 | U | 0.922 | mg/kg dry | | <0.922 | | | | 20 |
| **MRL Check (BFC0620-MRL1)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Antimony | 0.0585 | J | 0.100 | mg/kg wet | 0.0400 | | 146 | | | |
| Arsenic | 0.0103 | J | 0.0500 | mg/kg wet | 0.0200 | | 51.5 | | | |
| Cadmium | 0.00330 | J | 0.100 | mg/kg wet | 0.0100 | | 33.0 | | | |
| Chromium | 0.0293 | J | 0.300 | mg/kg wet | 0.0160 | | 183 | | | |
| Copper | 0.0345 | J | 0.100 | mg/kg wet | 0.0400 | | 86.2 | | | |
| Lead | 0.00790 | J | 0.0500 | mg/kg wet | 0.0200 | | 39.5 | | | |
| Selenium | 0.0655 | J | 0.500 | mg/kg wet | 0.0660 | | 99.2 | | | |
| Silver | 0.00280 | J | 0.0500 | mg/kg wet | 0.00600 | | 46.7 | | | |
| Thallium | 0.00370 | J | 0.0500 | mg/kg wet | 0.00600 | | 61.7 | | | |
| Zinc | 0.434 | | 0.200 | mg/kg wet | 0.0400 | | NR | | | |
| **MDL Check (BFC0620-MRL3)** | | | | | Prepared: 3/4/2022 Analyzed: 3/7/2022 | | | | | |
| Beryllium | 0.00110 | J | 0.0200 | mg/kg wet | 0.00200 | | 55.0 | | | |
| Nickel | 0.00480 | J | 0.100 | mg/kg wet | 0.0100 | | 48.0 | | | |
| **Matrix Spike (BFC0620-MS1)** | | | **Source: 22A3944-30** | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Antimony | 7.73 | | 0.768 | mg/kg dry | 7.66 | <0.768 | 101 | 75-125 | | |
| Arsenic | 4.24 | | 0.383 | mg/kg dry | 3.83 | 0.343 | 102 | 75-125 | | |
| Cadmium | 7.75 | | 0.768 | mg/kg dry | 7.66 | <0.768 | 101 | 75-125 | | |
| Chromium | 25.7 | | 2.30 | mg/kg dry | 23.0 | 1.51 | 105 | 75-125 | | |
| Copper | 8.69 | | 0.768 | mg/kg dry | 7.66 | 0.549 | 106 | 75-125 | | |
| Lead | 5.58 | | 0.383 | mg/kg dry | 3.83 | 1.58 | 104 | 75-125 | | |
| Selenium | 16.9 | | 3.83 | mg/kg dry | 15.3 | <3.83 | 110 | 75-125 | | |
| Silver | 4.23 | | 0.383 | mg/kg dry | 3.83 | <0.383 | 110 | 75-125 | | |
| Thallium | 3.82 | | 0.383 | mg/kg dry | 3.83 | <0.383 | 99.7 | 75-125 | | |
| Zinc | 19.2 | | 1.53 | mg/kg dry | 15.3 | 4.76 | 94.5 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0620 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0620-MS3)** | **Source: 22A3944-30** | | | | Prepared: 3/4/2022 Analyzed: 3/7/2022 | | | | | |
| Beryllium | 1.39 | | 0.153 | mg/kg dry | 1.53 | 0.0518 | 87.5 | 75-125 | | |
| Nickel | 7.79 | | 0.768 | mg/kg dry | 7.66 | <0.768 | 102 | 75-125 | | |
| ***Batch: BFC1059 - EPA 200.8*** | | | | | | | | | | |
| **Blank (BFC1059-BLK1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Selenium | <5.00 | U | 5.00 | ug/L | | | | | | |
| **LCS (BFC1059-BS1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Selenium | 195 | | 5.00 | ug/L | 200 | | 97.4 | 85-115 | | |
| **Duplicate (BFC1059-DUP1)** | **Source: 22B3342-01** | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Selenium | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| **MRL Check (BFC1059-MRL1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Selenium | 0.0870 | J | 5.00 | ug/L | 0.330 | | 26.4 | | | |
| **Matrix Spike (BFC1059-MS1)** | **Source: 22B3342-01** | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Selenium | 181 | | 5.00 | ug/L | 200 | <5.00 | 90.4 | 75-125 | | |
| ***Batch: BFC1656 - SW-7471*** | | | | | | | | | | |
| **Blank (BFC1656-BLK1)** | | | | | Prepared & Analyzed: 3/17/2022 | | | | | |
| Mercury | <0.0200 | U | 0.0200 | mg/kg wet | | | | | | |
| **LCS (BFC1656-BS1)** | | | | | Prepared & Analyzed: 3/17/2022 | | | | | |
| Mercury | 0.250 | | 0.0200 | mg/kg wet | 0.250 | | 100 | 80-120 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1656 - SW-7471 (Continued)*** | | | | | | | | | | |
| **MDL Check (BFC1656-MRL1)** | | | | | Prepared & Analyzed: 3/17/2022 | | | | | |
| Mercury | <0.0200 | U | 0.0200 | mg/kg wet | 0.0100 | | | | | |
| **Matrix Spike (BFC1656-MS1)** | | **Source: 22C2429-02** | | | Prepared & Analyzed: 3/17/2022 | | | | | |
| Mercury | 0.214 | | 0.00823 | mg/kg dry | 0.103 | 0.107 | 104 | 80-120 | | |
| **Matrix Spike Dup (BFC1656-MSD1)** | | **Source: 22C2429-02** | | | Prepared & Analyzed: 3/17/2022 | | | | | |
| Mercury | 0.220 | | 0.00869 | mg/kg dry | 0.109 | 0.107 | 103 | 80-120 | 2.53 | 20 |
| ***Batch: BFC2626 - EPA 200.8 Solid*** | | | | | | | | | | |
| **Blank (BFC2626-BLK1)** | | | | | Prepared & Analyzed: 3/18/2022 | | | | | |
| Antimony | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Arsenic | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Beryllium | <0.0200 | U | 0.0200 | mg/kg wet | | | | | | |
| Cadmium | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Chromium | 0.0157 | J | 0.300 | mg/kg wet | | | | | | |
| Copper | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Lead | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Nickel | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Selenium | <0.500 | U | 0.500 | mg/kg wet | | | | | | |
| Silver | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Thallium | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Zinc | 0.149 | J | 0.200 | mg/kg wet | | | | | | |
| **LCS (BFC2626-BS1)** | | | | | Prepared & Analyzed: 3/18/2022 | | | | | |
| Antimony | 10.6 | | 0.100 | mg/kg wet | 10.0 | | 106 | 85-115 | | |
| Arsenic | 5.14 | | 0.0500 | mg/kg wet | 5.00 | | 103 | 85-115 | | |
| Beryllium | 2.02 | | 0.0200 | mg/kg wet | 2.00 | | 101 | 85-115 | | |
| Cadmium | 10.6 | | 0.100 | mg/kg wet | 10.0 | | 106 | 85-115 | | |
| Chromium | 30.5 | | 0.300 | mg/kg wet | 30.0 | | 102 | 85-115 | | |
| Copper | 8.85 | | 0.100 | mg/kg wet | 10.0 | | 88.5 | 85-115 | | |
| Lead | 5.11 | | 0.0500 | mg/kg wet | 5.00 | | 102 | 85-115 | | |
| Nickel | 8.51 | | 0.100 | mg/kg wet | 10.0 | | 85.1 | 85-115 | | |
| Selenium | 19.4 | | 0.500 | mg/kg wet | 20.0 | | 97.0 | 85-115 | | |
| Silver | 4.74 | | 0.0500 | mg/kg wet | 5.00 | | 94.9 | 85-115 | | |
| Thallium | 5.29 | | 0.0500 | mg/kg wet | 5.00 | | 106 | 85-115 | | |
| Zinc | 20.4 | | 0.200 | mg/kg wet | 20.0 | | 102 | 85-115 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2626 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Duplicate (BFC2626-DUP1)** | **Source: 22A3944-40** | | | | Prepared & Analyzed: 3/18/2022 | | | | | |
| Antimony | <0.358 | U | 0.358 | mg/kg dry | | <0.358 | | | | 20 |
| Arsenic | 0.829 | | 0.179 | mg/kg dry | | 0.986 | | | 17.3 | 20 |
| Beryllium | 0.107 | | 0.0715 | mg/kg dry | | 0.111 | | | 2.93 | 20 |
| Cadmium | 0.0636 | J | 0.358 | mg/kg dry | | 0.0460 | | | 32.1 | 20 |
| Chromium | 2.69 | | 1.07 | mg/kg dry | | 2.46 | | | 8.77 | 20 |
| Copper | 1.55 | | 0.358 | mg/kg dry | | 1.65 | | | 6.34 | 20 |
| Lead | 2.42 | | 0.179 | mg/kg dry | | 2.43 | | | 0.208 | 20 |
| Nickel | 2.06 | | 0.358 | mg/kg dry | | 2.07 | | | 0.623 | 20 |
| Selenium | 0.456 | J | 1.79 | mg/kg dry | | 0.847 | | | 60.1 | 20 |
| Silver | <0.179 | U | 0.179 | mg/kg dry | | <0.179 | | | | 20 |
| Thallium | 0.0371 | J | 0.179 | mg/kg dry | | 0.0346 | | | 6.90 | 20 |
| Zinc | 7.80 | | 0.715 | mg/kg dry | | 7.27 | | | 7.03 | 20 |
| **MDL Check (BFC2626-MRL1)** | | | | | Prepared & Analyzed: 3/18/2022 | | | | | |
| Antimony | 0.0595 | J | 0.100 | mg/kg wet | 0.0400 | | 149 | | | |
| Arsenic | 0.00720 | J | 0.0500 | mg/kg wet | 0.0200 | | 36.0 | | | |
| Beryllium | 0.000700 | J | 0.0200 | mg/kg wet | 0.00200 | | 35.0 | | | |
| Cadmium | 0.00480 | J | 0.100 | mg/kg wet | 0.0100 | | 48.0 | | | |
| Chromium | 0.0326 | J | 0.300 | mg/kg wet | 0.0160 | | 204 | | | |
| Copper | 0.0248 | J | 0.100 | mg/kg wet | 0.0400 | | 62.0 | | | |
| Lead | 0.00900 | J | 0.0500 | mg/kg wet | 0.0200 | | 45.0 | | | |
| Nickel | 0.00940 | J | 0.100 | mg/kg wet | 0.0100 | | 94.0 | | | |
| Selenium | 0.0389 | J | 0.500 | mg/kg wet | 0.0660 | | 58.9 | | | |
| Silver | 0.00360 | J | 0.0500 | mg/kg wet | 0.00600 | | 60.0 | | | |
| Thallium | 0.00390 | J | 0.0500 | mg/kg wet | 0.00600 | | 65.0 | | | |
| Zinc | 0.216 | | 0.200 | mg/kg wet | 0.0400 | | 540 | | | |
| **Matrix Spike (BFC2626-MS1)** | **Source: 22A3944-40** | | | | Prepared & Analyzed: 3/18/2022 | | | | | |
| Antimony | 3.22 | | 0.378 | mg/kg dry | 3.78 | <0.378 | 85.2 | 75-125 | | |
| Arsenic | 2.47 | | 0.189 | mg/kg dry | 1.89 | 0.986 | 78.6 | 75-125 | | |
| Beryllium | 0.697 | | 0.0755 | mg/kg dry | 0.755 | 0.111 | 77.6 | 75-125 | | |
| Cadmium | 3.12 | | 0.378 | mg/kg dry | 3.78 | 0.0460 | 81.3 | 75-125 | | |
| Chromium | 12.5 | | 1.13 | mg/kg dry | 11.3 | 2.46 | 88.4 | 75-125 | | |
| Copper | 4.63 | | 0.378 | mg/kg dry | 3.78 | 1.65 | 78.9 | 75-125 | | |
| Lead | 4.28 | | 0.189 | mg/kg dry | 1.89 | 2.43 | 97.8 | 75-125 | | |
| Nickel | 5.57 | | 0.378 | mg/kg dry | 3.78 | 2.07 | 92.6 | 75-125 | | |
| Selenium | 6.56 | | 1.89 | mg/kg dry | 7.55 | 0.847 | 75.7 | 75-125 | | |
| Silver | 1.65 | | 0.189 | mg/kg dry | 1.89 | <0.189 | 87.2 | 75-125 | | |
| Thallium | 1.57 | | 0.189 | mg/kg dry | 1.89 | 0.0346 | 81.1 | 75-125 | | |
| Zinc | 14.7 | | 0.755 | mg/kg dry | 7.55 | 7.27 | 99.0 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC3544 - Cr VI*** | | | | | | | | | | |
| **Blank (BFC3544-BLK1)** | | | | | Prepared: 3/25/2022 Analyzed: 3/28/2022 | | | | | |
| Chromium (VI) | <5.14 | U | 5.14 | mg/kg wet | | | | | | |
| **LCS (BFC3544-BS1)** | | | | | Prepared: 3/25/2022 Analyzed: 3/28/2022 | | | | | |
| Chromium (VI) | 7.21 | J1 | 4.58 | mg/kg wet | 9.16 | | 78.7 | 80-120 | | |
| **Duplicate (BFC3544-DUP1)** | | **Source: 22A3944-28RE1** | | | Prepared: 3/25/2022 Analyzed: 3/28/2022 | | | | | |
| Chromium (VI) | <5.75 | U | 5.75 | mg/kg dry | | <5.75 | | | | 20 |
| **Duplicate (BFC3544-DUP2)** | | **Source: 22A3944-29** | | | Prepared: 3/25/2022 Analyzed: 3/28/2022 | | | | | |
| Chromium (VI) | <6.14 | U | 6.14 | mg/kg dry | | <6.14 | | | | 20 |
| **MRL Check (BFC3544-MRL1)** | | | | | Prepared: 3/25/2022 Analyzed: 3/28/2022 | | | | | |
| Chromium (VI) | 4.10 | J | 5.10 | mg/kg wet | 5.10 | | 80.3 | 50-150 | | |
| **SMS (BFC3544-MS1)** | | **Source: 22A3944-28RE1** | | | Prepared: 3/25/2022 Analyzed: 3/28/2022 | | | | | |
| Chromium (VI) | 7.70 | J1 | 5.94 | mg/kg dry | 11.9 | <5.94 | 64.9 | 75-125 | | |
| **IMS (BFC3544-MS2)** | | **Source: 22A3944-28RE1** | | | Prepared: 3/25/2022 Analyzed: 3/28/2022 | | | | | |
| Chromium (VI) | <1690 | J1, U | 1690 | mg/kg dry | 443 | <1690 | | 75-125 | | |
| **Post Spike (BFC3544-PS1)** | | **Source: 22A3944-28RE1** | | | Prepared: 3/25/2022 Analyzed: 3/28/2022 | | | | | |
| Chromium (VI) | 225 | J1 | | ug/L | 250 | 12.3 | 84.9 | 85-115 | | |
| ***Batch: BFD3145 - SW-7471*** | | | | | | | | | | |
| **Blank (BFD3145-BLK1)** | | | | | Prepared & Analyzed: 4/27/2022 | | | | | |
| Mercury | <0.0200 | U | 0.0200 | mg/kg wet | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFD3145 - SW-7471 (Continued)*** | | | | | | | | | | |
| **LCS (BFD3145-BS1)** | | | | | Prepared & Analyzed: 4/27/2022 | | | | | |
| Mercury | 0.246 | | 0.0200 | mg/kg wet | 0.250 | | 98.3 | 80-120 | | |
| **MRL Check (BFD3145-MRL1)** | | | | | Prepared & Analyzed: 4/27/2022 | | | | | |
| Mercury | 0.0142 | J | 0.0200 | mg/kg wet | 0.0100 | | 142 | 50-150 | | |
| **Matrix Spike (BFD3145-MS1)** | | **Source: 22C3116-21** | | | Prepared & Analyzed: 4/27/2022 | | | | | |
| Mercury | 0.154 | | 0.0103 | mg/kg dry | 0.129 | 0.0142 | 108 | 80-120 | | |
| **Matrix Spike (BFD3145-MS2)** | | **Source: 22C3938-25** | | | Prepared: 4/27/2022 Analyzed: 4/28/2022 | | | | | |
| Mercury | 0.158 | | 0.00996 | mg/kg dry | 0.125 | 0.0219 | 109 | 80-120 | | |
| **Matrix Spike Dup (BFD3145-MSD1)** | | **Source: 22C3116-21** | | | Prepared & Analyzed: 4/27/2022 | | | | | |
| Mercury | 0.154 | | 0.0104 | mg/kg dry | 0.130 | 0.0142 | 108 | 80-120 | 0.256 | 20 |
| **Matrix Spike Dup (BFD3145-MSD2)** | | **Source: 22C3938-25** | | | Prepared: 4/27/2022 Analyzed: 4/28/2022 | | | | | |
| Mercury | 0.160 | | 0.00993 | mg/kg dry | 0.124 | 0.0219 | 111 | 80-120 | 0.928 | 20 |
| ***Batch: BFD3610 - EPA 200.8 Solid*** | | | | | | | | | | |
| **Blank (BFD3610-BLK1)** | | | | | Prepared: 4/28/2022 Analyzed: 4/29/2022 | | | | | |
| Beryllium | <0.0200 | U | 0.0200 | mg/kg wet | | | | | | |
| Cadmium | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Chromium | 0.0182 | J | 0.300 | mg/kg wet | | | | | | |
| Lead | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Nickel | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| Selenium | <0.500 | U | 0.500 | mg/kg wet | | | | | | |
| Silver | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Thallium | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Zinc | <0.200 | U | 0.200 | mg/kg wet | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFD3610 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Blank (BFD3610-BLK2)** | | | | | Prepared: 4/28/2022 Analyzed: 5/2/2022 | | | | | |
| Arsenic | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| Copper | <0.100 | U | 0.100 | mg/kg wet | | | | | | |
| **LCS (BFD3610-BS1)** | | | | | Prepared: 4/28/2022 Analyzed: 4/29/2022 | | | | | |
| Beryllium | 0.0313 | | 0.000333 | mg/kg wet | 0.0333 | | 93.8 | 85-115 | | |
| Cadmium | 0.169 | | 0.00167 | mg/kg wet | 0.167 | | 101 | 85-115 | | |
| Chromium | 0.503 | | 0.00500 | mg/kg wet | 0.500 | | 101 | 85-115 | | |
| Lead | 0.0836 | | 0.000833 | mg/kg wet | 0.0833 | | 100 | 85-115 | | |
| Nickel | 0.170 | | 0.00167 | mg/kg wet | 0.167 | | 102 | 85-115 | | |
| Selenium | 0.331 | | 0.00833 | mg/kg wet | 0.333 | | 99.4 | 85-115 | | |
| Silver | 0.0858 | | 0.000833 | mg/kg wet | 0.0833 | | 103 | 85-115 | | |
| Thallium | 0.0871 | | 0.000833 | mg/kg wet | 0.0833 | | 105 | 85-115 | | |
| Zinc | 0.329 | | 0.00333 | mg/kg wet | 0.333 | | 98.8 | 85-115 | | |
| **LCS (BFD3610-BS2)** | | | | | Prepared: 4/28/2022 Analyzed: 5/2/2022 | | | | | |
| Arsenic | 0.0738 | | 0.000833 | mg/kg wet | 0.0833 | | 88.6 | 85-115 | | |
| Copper | 0.156 | | 0.00167 | mg/kg wet | 0.167 | | 93.4 | 85-115 | | |
| **Duplicate (BFD3610-DUP1)** | | | **Source: 22A3944-29RE1** | | Prepared: 4/28/2022 Analyzed: 4/29/2022 | | | | | |
| Beryllium | 0.0695 | | 0.0615 | mg/kg dry | | 0.0769 | | | 10.1 | 20 |
| Cadmium | 0.0194 | J1, J | 0.309 | mg/kg dry | | 0.0221 | | | 12.8 | 20 |
| Chromium | 8.91 | J1 | 0.924 | mg/kg dry | | 4.47 | | | 66.3 | 20 |
| Lead | 1.78 | | 0.154 | mg/kg dry | | 2.12 | | | 17.6 | 20 |
| Nickel | 1.78 | | 0.309 | mg/kg dry | | 1.71 | | | 3.73 | 20 |
| Selenium | <1.54 | U | 1.54 | mg/kg dry | | <1.54 | | | | 20 |
| Silver | 0.0107 | J | 0.154 | mg/kg dry | | 0.0108 | | | 0.548 | 20 |
| Thallium | 0.0380 | J | 0.154 | mg/kg dry | | 0.0395 | | | 3.89 | 20 |
| Zinc | 7.22 | | 0.615 | mg/kg dry | | 7.38 | | | 2.26 | 20 |

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# Quality Control
**(Continued)**

## Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFD3610 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Duplicate (BFD3610-DUP2)** | | **Source: 22C3938-19** | | Prepared: 4/28/2022 Analyzed: 4/29/2022 | | | | | | |
| Beryllium | 0.244 | | 0.0453 | mg/kg dry | | 0.270 | | | 10.4 | 20 |
| Cadmium | 0.0295 | J | 0.227 | mg/kg dry | | 0.0294 | | | 0.0903 | 20 |
| Chromium | 4.75 | J1 | 0.680 | mg/kg dry | | 5.88 | | | 21.1 | 20 |
| Lead | 5.46 | J1 | 0.113 | mg/kg dry | | 12.6 | | | 79.1 | 20 |
| Nickel | 3.67 | J1 | 0.227 | mg/kg dry | | 4.77 | | | 26.1 | 20 |
| Selenium | 0.617 | J | 1.13 | mg/kg dry | | 0.673 | | | 8.61 | 20 |
| Silver | 0.00898 | J | 0.113 | mg/kg dry | | 0.0102 | | | 12.7 | 20 |
| Thallium | 0.0346 | J | 0.113 | mg/kg dry | | 0.0372 | | | 7.30 | 20 |
| Zinc | 18.5 | | 0.453 | mg/kg dry | | 22.5 | | | 19.7 | 20 |
| **Duplicate (BFD3610-DUP3)** | | **Source: 22A3944-29RE1** | | Prepared: 4/28/2022 Analyzed: 5/2/2022 | | | | | | |
| Arsenic | 1.02 | | 0.154 | mg/kg dry | | 1.13 | | | 10.5 | 20 |
| Copper | 1.52 | J1 | 0.309 | mg/kg dry | | 1.18 | | | 24.9 | 20 |
| **Duplicate (BFD3610-DUP4)** | | **Source: 22C3938-19** | | Prepared: 4/28/2022 Analyzed: 5/2/2022 | | | | | | |
| Arsenic | 2.30 | J1 | 0.174 | mg/kg dry | | 1.50 | | | 42.5 | 20 |
| Copper | 7.09 | J1 | 0.350 | mg/kg dry | | 5.69 | | | 21.9 | 20 |
| **MDL Check (BFD3610-MRL1)** | | | | Prepared: 4/28/2022 Analyzed: 4/29/2022 | | | | | | |
| Beryllium | 3.17E-5 | J | 0.000333 | mg/kg wet | 3.33E-5 | | 95.0 | | | |
| Cadmium | 0.000183 | J | 0.00167 | mg/kg wet | 0.000167 | | 110 | | | |
| Chromium | 0.000980 | J | 0.00500 | mg/kg wet | 0.000267 | | 368 | | | |
| Lead | 0.000237 | J | 0.000833 | mg/kg wet | 0.000333 | | 71.0 | | | |
| Nickel | 5.50E-5 | J | 0.00167 | mg/kg wet | 0.000167 | | 33.0 | | | |
| Selenium | 0.00207 | J | 0.00833 | mg/kg wet | 0.00110 | | 188 | | | |
| Silver | 0.000115 | J | 0.000833 | mg/kg wet | 0.000100 | | 115 | | | |
| Thallium | 0.000145 | J | 0.000833 | mg/kg wet | 0.000100 | | 145 | | | |
| Zinc | 0.00401 | | 0.00333 | mg/kg wet | 0.000667 | | 602 | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFD3610 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **MDL Check (BFD3610-MRL2)** | | | | | Prepared: 4/28/2022 Analyzed: 5/2/2022 | | | | | |
| Arsenic | 0.000233 | J | 0.000833 | mg/kg wet | 0.000333 | | 70.0 | | | |
| Copper | 0.000733 | J | 0.00167 | mg/kg wet | 0.000667 | | 110 | | | |
| **Matrix Spike (BFD3610-MS1)** | | | **Source: 22A3944-29RE1** | | Prepared: 4/28/2022 Analyzed: 4/29/2022 | | | | | |
| Beryllium | 0.920 | | 0.0499 | mg/kg dry | 0.998 | 0.0769 | 84.4 | 75-125 | | |
| Cadmium | 4.55 | | 0.250 | mg/kg dry | 4.99 | 0.0221 | 90.7 | 75-125 | | |
| Chromium | 19.0 | | 0.749 | mg/kg dry | 15.0 | 4.47 | 96.9 | 75-125 | | |
| Lead | 4.23 | | 0.125 | mg/kg dry | 2.50 | 2.12 | 84.6 | 75-125 | | |
| Nickel | 6.29 | | 0.250 | mg/kg dry | 4.99 | 1.71 | 91.6 | 75-125 | | |
| Selenium | 8.72 | | 1.25 | mg/kg dry | 9.98 | <1.25 | 87.4 | 75-125 | | |
| Silver | 2.58 | | 0.125 | mg/kg dry | 2.50 | 0.0108 | 103 | 75-125 | | |
| Thallium | 2.38 | | 0.125 | mg/kg dry | 2.50 | 0.0395 | 93.9 | 75-125 | | |
| Zinc | 16.4 | | 0.499 | mg/kg dry | 9.98 | 7.38 | 90.7 | 75-125 | | |
| **Matrix Spike (BFD3610-MS2)** | | | **Source: 22C3938-19** | | Prepared: 4/28/2022 Analyzed: 4/29/2022 | | | | | |
| Beryllium | 1.02 | | 0.0422 | mg/kg dry | 0.845 | 0.270 | 88.1 | 75-125 | | |
| Cadmium | 4.20 | | 0.212 | mg/kg dry | 4.23 | 0.0294 | 98.7 | 75-125 | | |
| Chromium | 19.0 | | 0.634 | mg/kg dry | 12.7 | 5.88 | 104 | 75-125 | | |
| Lead | 16.2 | J1 | 0.106 | mg/kg dry | 2.11 | 12.6 | 168 | 75-125 | | |
| Nickel | 8.22 | | 0.212 | mg/kg dry | 4.23 | 4.77 | 81.5 | 75-125 | | |
| Selenium | 8.31 | | 1.06 | mg/kg dry | 8.45 | 0.673 | 90.3 | 75-125 | | |
| Silver | 2.32 | | 0.106 | mg/kg dry | 2.11 | 0.0102 | 110 | 75-125 | | |
| Thallium | 2.24 | | 0.106 | mg/kg dry | 2.11 | 0.0372 | 104 | 75-125 | | |
| Zinc | 25.7 | J1 | 0.422 | mg/kg dry | 8.45 | 22.5 | 38.3 | 75-125 | | |
| **Matrix Spike (BFD3610-MS3)** | | | **Source: 22A3944-29RE1** | | Prepared: 4/28/2022 Analyzed: 5/2/2022 | | | | | |
| Arsenic | 3.41 | | 0.125 | mg/kg dry | 2.50 | 1.13 | 91.2 | 75-125 | | |
| Copper | 5.99 | | 0.250 | mg/kg dry | 4.99 | 1.18 | 96.3 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFD3610 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFD3610-MS4)** | **Source: 22C3938-19** | | | | Prepared: 4/28/2022 Analyzed: 5/2/2022 | | | | | |
| Arsenic | 4.97 | | 0.141 | mg/kg dry | 2.83 | 1.50 | 123 | 75-125 | | |
| Copper | 29.0 | J1 | 0.283 | mg/kg dry | 5.65 | 5.69 | 412 | 75-125 | | |
| ***Batch: SFB0279 - BFB2766*** | | | | | | | | | | |
| **Interference Check A (SFB0279-IFA1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Selenium | 0.257 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFB0279-IFB1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Selenium | 191 | | | ug/L | 200 | | 95.5 | 70-130 | | |
| ***Batch: SFB0291 - BFB2762*** | | | | | | | | | | |
| **Interference Check A (SFB0291-IFA1)** | | | | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Antimony | 0.256 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.0910 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.0720 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.90 | | | ug/L | | | | 70-130 | | |
| Copper | 0.168 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0650 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.497 | | | ug/L | | | | 70-130 | | |
| Selenium | 0.257 | | | ug/L | | | | 70-130 | | |
| Silver | 0.0330 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.0230 | | | ug/L | | | | 70-130 | | |
| Zinc | 0.799 | | | ug/L | | | | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFB0291 - BFB2762 (Continued)*** | | | | | | | | | | |
| **Interference Check B (SFB0291-IFB1)** | | | | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Antimony | 104 | | | ug/L | 100 | | 104 | 70-130 | | |
| Arsenic | 52.8 | | | ug/L | 50.0 | | 106 | 70-130 | | |
| Cadmium | 92.6 | | | ug/L | 100 | | 92.6 | 70-130 | | |
| Chromium | 266 | | | ug/L | 300 | | 88.8 | 70-130 | | |
| Copper | 87.5 | | | ug/L | 100 | | 87.5 | 70-130 | | |
| Lead | 46.1 | | | ug/L | 50.0 | | 92.1 | 70-130 | | |
| Nickel | 85.5 | | | ug/L | 100 | | 85.5 | 70-130 | | |
| Selenium | 213 | | | ug/L | 200 | | 107 | 70-130 | | |
| Silver | 45.4 | | | ug/L | 50.0 | | 90.8 | 70-130 | | |
| Thallium | 48.1 | | | ug/L | 50.0 | | 96.2 | 70-130 | | |
| Zinc | 176 | | | ug/L | 200 | | 88.0 | 70-130 | | |
| ***Batch: SFB0299 - BFB2807*** | | | | | | | | | | |
| **Interference Check A (SFB0299-IFA1)** | | | | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Beryllium | 0.00100 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFB0299-IFB1)** | | | | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Beryllium | 15.7 | | | ug/L | 20.0 | | 78.7 | 70-130 | | |
| ***Batch: SFB0359 - BFB2979*** | | | | | | | | | | |
| **Interference Check A (SFB0359-IFA1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 0.0210 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFB0359-IFB1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 189 | | | ug/L | 200 | | 94.6 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFC0031 - BFC0429*** | | | | | | | | | | |
| **Interference Check A (SFC0031-IFA1)** | | | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Selenium | 0.421 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0031-IFB1)** | | | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Selenium | 211 | | | ug/L | 200 | | 105 | 70-130 | | |
| ***Batch: SFC0037 - BFC0620*** | | | | | | | | | | |
| **Interference Check A (SFC0037-IFA1)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Antimony | 0.212 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.124 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.0320 | | | ug/L | | | | 70-130 | | |
| Chromium | 5.11 | | | ug/L | | | | 70-130 | | |
| Copper | 0.333 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0500 | | | ug/L | | | | 70-130 | | |
| Selenium | 0.213 | | | ug/L | | | | 70-130 | | |
| Silver | 0.00500 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.00300 | | | ug/L | | | | 70-130 | | |
| Zinc | 1.17 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0037-IFB1)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Antimony | 108 | | | ug/L | 100 | | 108 | 70-130 | | |
| Arsenic | 52.3 | | | ug/L | 50.0 | | 105 | 70-130 | | |
| Cadmium | 96.4 | | | ug/L | 100 | | 96.4 | 70-130 | | |
| Chromium | 290 | | | ug/L | 300 | | 96.7 | 70-130 | | |
| Copper | 89.7 | | | ug/L | 100 | | 89.7 | 70-130 | | |
| Lead | 47.3 | | | ug/L | 50.0 | | 94.7 | 70-130 | | |
| Selenium | 203 | | | ug/L | 200 | | 101 | 70-130 | | |
| Silver | 51.0 | | | ug/L | 50.0 | | 102 | 70-130 | | |
| Thallium | 47.2 | | | ug/L | 50.0 | | 94.3 | 70-130 | | |
| Zinc | 181 | | | ug/L | 200 | | 90.3 | 70-130 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFC0050 - BFC0177*** | | | | | | | | | | |
| **Interference Check A (SFC0050-IFA1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Beryllium | 0.00100 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.527 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0050-IFB1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Beryllium | 18.3 | | | ug/L | 20.0 | | 91.7 | 70-130 | | |
| Nickel | 99.7 | | | ug/L | 100 | | 99.7 | 70-130 | | |
| ***Batch: SFC0069 - BFC0948*** | | | | | | | | | | |
| **Interference Check A (SFC0069-IFA1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Selenium | -0.381 | U | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0069-IFB1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Selenium | 202 | | | ug/L | 200 | | 101 | 70-130 | | |
| ***Batch: SFC0199 - BFC2626*** | | | | | | | | | | |
| **Interference Check A (SFC0199-IFA1)** | | | | | Prepared & Analyzed: 3/18/2022 | | | | | |
| Antimony | 0.225 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.0340 | | | ug/L | | | | 70-130 | | |
| Beryllium | 0.00200 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.0420 | | | ug/L | | | | 70-130 | | |
| Chromium | 5.01 | | | ug/L | | | | 70-130 | | |
| Copper | 0.201 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0570 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.530 | | | ug/L | | | | 70-130 | | |
| Selenium | -0.305 | U | | ug/L | | | | 70-130 | | |
| Silver | 0.0250 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.00700 | | | ug/L | | | | 70-130 | | |
| Zinc | 3.97 | | | ug/L | | | | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFC0199 - BFC2626 (Continued)*** | | | | | | | | | | |
| **Interference Check B (SFC0199-IFB1)** | | | | | Prepared & Analyzed: 3/18/2022 | | | | | |
| Antimony | 102 | | | ug/L | 100 | | 102 | 70-130 | | |
| Arsenic | 50.1 | | | ug/L | 50.0 | | 100 | 70-130 | | |
| Beryllium | 18.0 | | | ug/L | 20.0 | | 90.2 | 70-130 | | |
| Cadmium | 93.2 | | | ug/L | 100 | | 93.2 | 70-130 | | |
| Chromium | 301 | | | ug/L | 300 | | 100 | 70-130 | | |
| Copper | 89.0 | | | ug/L | 100 | | 89.0 | 70-130 | | |
| Lead | 46.0 | | | ug/L | 50.0 | | 92.0 | 70-130 | | |
| Nickel | 89.3 | | | ug/L | 100 | | 89.3 | 70-130 | | |
| Selenium | 195 | | | ug/L | 200 | | 97.4 | 70-130 | | |
| Silver | 48.3 | | | ug/L | 50.0 | | 96.5 | 70-130 | | |
| Thallium | 47.3 | | | ug/L | 50.0 | | 94.7 | 70-130 | | |
| Zinc | 180 | | | ug/L | 200 | | 90.1 | 70-130 | | |
| ***Batch: SFE0004 - BFD3545*** | | | | | | | | | | |
| **Interference Check A (SFE0004-IFA1)** | | | | | Prepared: 5/2/2022 Analyzed: 4/29/2022 | | | | | |
| Beryllium | 0.00500 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.0550 | | | ug/L | | | | 70-130 | | |
| Chromium | 4.78 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0520 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.351 | | | ug/L | | | | 70-130 | | |
| Selenium | -1.00 | U | | ug/L | | | | 70-130 | | |
| Silver | 0.0270 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.00500 | | | ug/L | | | | 70-130 | | |
| Zinc | 0.512 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFE0004-IFB1)** | | | | | Prepared: 5/2/2022 Analyzed: 4/29/2022 | | | | | |
| Beryllium | 18.1 | | | ug/L | 20.0 | | 90.7 | 70-130 | | |
| Cadmium | 92.7 | | | ug/L | 100 | | 92.7 | 70-130 | | |
| Chromium | 299 | | | ug/L | 300 | | 99.6 | 70-130 | | |
| Lead | 45.8 | | | ug/L | 50.0 | | 91.6 | 70-130 | | |
| Nickel | 90.2 | | | ug/L | 100 | | 90.2 | 70-130 | | |
| Selenium | 190 | | | ug/L | 200 | | 95.1 | 70-130 | | |
| Silver | 50.8 | | | ug/L | 50.0 | | 102 | 70-130 | | |
| Thallium | 47.2 | | | ug/L | 50.0 | | 94.4 | 70-130 | | |
| Zinc | 174 | | | ug/L | 200 | | 87.2 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFE0009 - BFD3545*** | | | | | | | | | | |
| **Interference Check A (SFE0009-IFA1)** | | | | | Prepared & Analyzed: 5/2/2022 | | | | | |
| Arsenic | -0.390 | U | | ug/L | | | | 70-130 | | |
| Copper | 0.141 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFE0009-IFB1)** | | | | | Prepared & Analyzed: 5/2/2022 | | | | | |
| Arsenic | 49.2 | | | ug/L | 50.0 | | 98.4 | 70-130 | | |
| Copper | 91.2 | | | ug/L | 100 | | 91.2 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB1206 - Cr VI*** | | | | | | | | | | |
| **Matrix Spike (BFB1206-MS1)** | | **Source: 22A3944-01** | | | Prepared & Analyzed: 2/9/2022 | | | | | |
| Chromium (VI) | 16.4 | J1 | 5.00 | ug/L | 417 | <5.00 | 3.94 | 70-130 | | |
| **Matrix Spike Dup (BFB1206-MSD1)** | | **Source: 22A3944-01** | | | Prepared & Analyzed: 2/9/2022 | | | | | |
| Chromium (VI) | 23.3 | J1 | 5.00 | ug/L | 417 | <5.00 | 5.58 | 70-130 | 34.6 | 20 |
| ***Batch: BFB2773 - EPA 200.8 Dissolved*** | | | | | | | | | | |
| **Blank (BFB2773-BLK1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | | | | | |
| Arsenic | <0.500 | U | 0.500 | ug/L | | | | | | |
| Cadmium | <1.00 | U | 1.00 | ug/L | | | | | | |
| Chromium | <3.00 | U | 3.00 | ug/L | | | | | | |
| Copper | <1.00 | U | 1.00 | ug/L | | | | | | |
| Lead | <0.500 | U | 0.500 | ug/L | | | | | | |
| Nickel | <1.00 | U | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| Thallium | <0.500 | U | 0.500 | ug/L | | | | | | |
| **Blank (BFB2773-BLK2)** | | | | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Beryllium | <0.200 | U | 0.200 | ug/L | | | | | | |
| Zinc | <2.00 | U | 2.00 | ug/L | | | | | | |
| **LCS (BFB2773-BS1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Antimony | 106 | | 1.00 | ug/L | 100 | | 106 | 85-115 | | |
| Arsenic | 53.1 | | 0.500 | ug/L | 50.0 | | 106 | 85-115 | | |
| Cadmium | 102 | | 1.00 | ug/L | 100 | | 102 | 85-115 | | |
| Chromium | 290 | | 3.00 | ug/L | 300 | | 96.7 | 85-115 | | |
| Copper | 98.0 | | 1.00 | ug/L | 100 | | 98.0 | 85-115 | | |
| Lead | 50.0 | | 0.500 | ug/L | 50.0 | | 100 | 85-115 | | |
| Nickel | 99.3 | | 1.00 | ug/L | 100 | | 99.3 | 85-115 | | |
| Silver | 53.2 | | 0.500 | ug/L | 50.0 | | 106 | 85-115 | | |
| Thallium | 51.4 | | 0.500 | ug/L | 50.0 | | 103 | 85-115 | | |

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# Quality Control
**(Continued)**

## Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2773 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **LCS (BFB2773-BS2)** | | | | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Beryllium | 18.4 | | 0.200 | ug/L | 20.0 | | 92.2 | 85-115 | | |
| Zinc | 206 | | 2.00 | ug/L | 200 | | 103 | 85-115 | | |
| **Duplicate (BFB2773-DUP1)** | | | **Source: 22A3944-01** | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | <1.00 | | | | 20 |
| Arsenic | <0.500 | U | 0.500 | ug/L | | <0.500 | | | | 20 |
| Cadmium | <1.00 | U | 1.00 | ug/L | | <1.00 | | | | 20 |
| Chromium | 0.259 | J | 3.00 | ug/L | | 0.186 | | | 32.8 | 20 |
| Copper | 0.316 | J | 1.00 | ug/L | | 0.243 | | | 26.1 | 20 |
| Lead | <0.500 | U | 0.500 | ug/L | | <0.500 | | | | 20 |
| Nickel | 0.444 | J | 1.00 | ug/L | | 0.0790 | | | 140 | 20 |
| Silver | <0.500 | U | 0.500 | ug/L | | <0.500 | | | | 20 |
| Thallium | <0.500 | U | 0.500 | ug/L | | <0.500 | | | | 20 |
| **Duplicate (BFB2773-DUP2)** | | | **Source: 22A3944-01** | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Beryllium | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| Zinc | 1.20 | J | 2.00 | ug/L | | 1.26 | | | 5.12 | 20 |
| **MRL Check (BFB2773-MRL1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Antimony | 0.286 | J | 1.00 | ug/L | 0.200 | | 143 | | | |
| Arsenic | 0.141 | J | 0.500 | ug/L | 0.100 | | 141 | | | |
| Cadmium | 0.0580 | J | 1.00 | ug/L | 0.0500 | | 116 | | | |
| Chromium | 0.134 | J | 3.00 | ug/L | 0.0800 | | 168 | | | |
| Copper | 0.347 | J | 1.00 | ug/L | 0.200 | | 174 | | | |
| Lead | 0.132 | J | 0.500 | ug/L | 0.100 | | 132 | | | |
| Nickel | 0.0130 | J | 1.00 | ug/L | 0.0500 | | 26.0 | | | |
| Silver | 0.0430 | J | 0.500 | ug/L | 0.0300 | | 143 | | | |
| Thallium | 0.0480 | J | 0.500 | ug/L | 0.0300 | | 160 | | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2773 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **MRL Check (BFB2773-MRL2)** | | | | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Beryllium | 0.0150 | J | 0.200 | ug/L | 0.0100 | | 150 | | | |
| Zinc | 0.484 | J | 2.00 | ug/L | 0.200 | | 242 | | | |
| **Matrix Spike (BFB2773-MS1)** | | | **Source: 22A3944-01** | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Antimony | 106 | | 1.00 | ug/L | 100 | <1.00 | 106 | 75-125 | | |
| Arsenic | 53.0 | | 0.500 | ug/L | 50.0 | <0.500 | 106 | 75-125 | | |
| Cadmium | 107 | | 1.00 | ug/L | 100 | <1.00 | 107 | 75-125 | | |
| Chromium | 296 | | 3.00 | ug/L | 300 | 0.186 | 98.5 | 75-125 | | |
| Copper | 107 | | 1.00 | ug/L | 100 | 0.243 | 107 | 75-125 | | |
| Lead | 52.7 | | 0.500 | ug/L | 50.0 | <0.500 | 105 | 75-125 | | |
| Nickel | 99.2 | | 1.00 | ug/L | 100 | 0.0790 | 99.1 | 75-125 | | |
| Silver | 56.5 | | 0.500 | ug/L | 50.0 | <0.500 | 113 | 75-125 | | |
| Thallium | 52.8 | | 0.500 | ug/L | 50.0 | <0.500 | 106 | 75-125 | | |
| **Matrix Spike (BFB2773-MS2)** | | | **Source: 22A3944-01** | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Beryllium | 19.8 | | 0.200 | ug/L | 20.0 | <0.200 | 99.0 | 75-125 | | |
| Zinc | 209 | | 2.00 | ug/L | 200 | 1.26 | 104 | 75-125 | | |
| ***Batch: BFC0122 - Cr VI*** | | | | | | | | | | |
| **Blank (BFC0122-BLK1)** | | | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Chromium (VI) | <3.00 | U | 3.00 | ug/L | | | | | | |
| **Blank (BFC0122-BLK2)** | | | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Chromium (VI) | <3.00 | U | 3.00 | ug/L | | | | | | |
| **Blank (BFC0122-BLK3)** | | | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Chromium (VI) | <3.00 | U | 3.00 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0122 - Cr VI (Continued)*** | | | | | | | | | | |
| **LCS (BFC0122-BS1)** | | | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Chromium (VI) | 248 | | 3.00 | ug/L | 250 | | 99.1 | 85-115 | | |
| **LCS (BFC0122-BS2)** | | | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Chromium (VI) | 251 | | 3.00 | ug/L | 250 | | 100 | 85-115 | | |
| **LCS (BFC0122-BS3)** | | | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Chromium (VI) | 250 | | 3.00 | ug/L | 250 | | 99.8 | 85-115 | | |
| **Matrix Spike (BFC0122-MS1)** | | **Source: 22A3987-13** | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Chromium (VI) | 247 | | 3.00 | ug/L | 250 | 3.06 | 97.4 | 70-130 | | |
| **Matrix Spike Dup (BFC0122-MSD1)** | | **Source: 22A3987-13** | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| Chromium (VI) | 256 | | 3.00 | ug/L | 250 | 3.06 | 101 | 70-130 | 3.61 | 20 |
| ***Batch: BFC0228 - EPA 200.8 Dissolved*** | | | | | | | | | | |
| **Blank (BFC0228-BLK1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | | | | | |
| Arsenic | <0.500 | U | 0.500 | ug/L | | | | | | |
| Cadmium | <1.00 | U | 1.00 | ug/L | | | | | | |
| Chromium | <3.00 | U | 3.00 | ug/L | | | | | | |
| Copper | <1.00 | U | 1.00 | ug/L | | | | | | |
| Lead | <0.500 | U | 0.500 | ug/L | | | | | | |
| Nickel | 0.321 | J | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| Thallium | <0.500 | U | 0.500 | ug/L | | | | | | |
| Zinc | <2.00 | U | 2.00 | ug/L | | | | | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0228 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Blank (BFC0228-BLK2)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | <0.200 | U | 0.200 | ug/L | | | | | | |
| **LCS (BFC0228-BS1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | 104 | | 1.00 | ug/L | 100 | | 104 | 85-115 | | |
| Arsenic | 50.9 | | 0.500 | ug/L | 50.0 | | 102 | 85-115 | | |
| Cadmium | 98.9 | | 1.00 | ug/L | 100 | | 98.9 | 85-115 | | |
| Chromium | 298 | | 3.00 | ug/L | 300 | | 99.3 | 85-115 | | |
| Copper | 101 | | 1.00 | ug/L | 100 | | 101 | 85-115 | | |
| Lead | 50.1 | | 0.500 | ug/L | 50.0 | | 100 | 85-115 | | |
| Nickel | 97.2 | | 1.00 | ug/L | 100 | | 97.2 | 85-115 | | |
| Silver | 51.0 | | 0.500 | ug/L | 50.0 | | 102 | 85-115 | | |
| Thallium | 50.2 | | 0.500 | ug/L | 50.0 | | 100 | 85-115 | | |
| Zinc | 202 | | 2.00 | ug/L | 200 | | 101 | 85-115 | | |
| **LCS (BFC0228-BS2)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | 18.3 | | 0.200 | ug/L | 20.0 | | 91.3 | 85-115 | | |
| **Duplicate (BFC0228-DUP1)** | | **Source: 22A3944-08** | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Arsenic | 6.99 | | 5.00 | ug/L | | 7.21 | | | 3.03 | 20 |
| Cadmium | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Chromium | <30.0 | U | 30.0 | ug/L | | <30.0 | | | | 20 |
| Copper | 4.88 | J | 10.0 | ug/L | | 4.90 | | | 0.409 | 20 |
| Lead | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Nickel | 0.752 | J | 10.0 | ug/L | | 0.893 | | | 17.1 | 20 |
| Silver | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Thallium | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Zinc | <20.0 | U | 20.0 | ug/L | | <20.0 | | | | 20 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0228 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Duplicate (BFC0228-DUP2)** | | | **Source: 22A3944-08** | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | <2.00 | U | 2.00 | ug/L | | <2.00 | | | | 20 |
| **MRL Check (BFC0228-MRL1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | 0.274 | J | 1.00 | ug/L | 0.200 | | 137 | | | |
| Arsenic | 0.171 | J | 0.500 | ug/L | 0.100 | | 171 | | | |
| Cadmium | 0.0750 | J | 1.00 | ug/L | 0.0500 | | 150 | | | |
| Chromium | 0.267 | J | 3.00 | ug/L | 0.0800 | | 334 | | | |
| Copper | 0.637 | J | 1.00 | ug/L | 0.200 | | 318 | | | |
| Lead | 0.133 | J | 0.500 | ug/L | 0.100 | | 133 | | | |
| Nickel | 0.819 | J | 1.00 | ug/L | 0.0500 | | NR | | | |
| Silver | 0.0440 | J | 0.500 | ug/L | 0.0300 | | 147 | | | |
| Thallium | 0.0630 | J | 0.500 | ug/L | 0.0300 | | 210 | | | |
| Zinc | 0.0320 | J | 2.00 | ug/L | 0.200 | | 16.0 | | | |
| **MRL Check (BFC0228-MRL2)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | 0.0190 | J | 0.200 | ug/L | 0.0100 | | 190 | | | |
| **Matrix Spike (BFC0228-MS1)** | | | **Source: 22A3944-08** | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | 97.5 | | 10.0 | ug/L | 100 | <10.0 | 97.5 | 75-125 | | |
| Arsenic | 58.7 | | 5.00 | ug/L | 50.0 | 7.21 | 103 | 75-125 | | |
| Cadmium | 88.2 | | 10.0 | ug/L | 100 | <10.0 | 88.2 | 75-125 | | |
| Chromium | 309 | | 30.0 | ug/L | 300 | <30.0 | 103 | 75-125 | | |
| Copper | 93.1 | | 10.0 | ug/L | 100 | 4.90 | 88.2 | 75-125 | | |
| Lead | 43.2 | | 5.00 | ug/L | 50.0 | <5.00 | 86.3 | 75-125 | | |
| Nickel | 91.2 | | 10.0 | ug/L | 100 | 0.893 | 90.3 | 75-125 | | |
| Silver | 44.0 | | 5.00 | ug/L | 50.0 | <5.00 | 88.0 | 75-125 | | |
| Thallium | 41.0 | | 5.00 | ug/L | 50.0 | <5.00 | 82.1 | 75-125 | | |
| Zinc | 186 | | 20.0 | ug/L | 200 | <20.0 | 92.8 | 75-125 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0228 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0228-MS2)** | **Source: 22A3944-08** | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | 12.7 | J1 | 2.00 | ug/L | 20.0 | <2.00 | 63.5 | 75-125 | | |
| ***Batch: BFC0429 - EPA 200.8 Dissolved*** | | | | | | | | | | |
| **Blank (BFC0429-BLK1)** | | | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | | | | | |
| Arsenic | <0.500 | U | 0.500 | ug/L | | | | | | |
| Beryllium | 0.0140 | J | 0.200 | ug/L | | | | | | |
| Cadmium | <1.00 | U | 1.00 | ug/L | | | | | | |
| Chromium | <3.00 | U | 3.00 | ug/L | | | | | | |
| Copper | 0.837 | J | 1.00 | ug/L | | | | | | |
| Lead | <0.500 | U | 0.500 | ug/L | | | | | | |
| Nickel | 0.317 | J | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| Thallium | <0.500 | U | 0.500 | ug/L | | | | | | |
| Zinc | <2.00 | U | 2.00 | ug/L | | | | | | |
| **LCS (BFC0429-BS1)** | | | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Antimony | 88.6 | | 1.00 | ug/L | 100 | | 88.6 | 85-115 | | |
| Arsenic | 49.6 | | 0.500 | ug/L | 50.0 | | 99.1 | 85-115 | | |
| Beryllium | 22.3 | | 0.200 | ug/L | 20.0 | | 111 | 85-115 | | |
| Cadmium | 102 | | 1.00 | ug/L | 100 | | 102 | 85-115 | | |
| Chromium | 329 | | 3.00 | ug/L | 300 | | 110 | 85-115 | | |
| Copper | 99.3 | | 1.00 | ug/L | 100 | | 99.3 | 85-115 | | |
| Lead | 48.0 | | 0.500 | ug/L | 50.0 | | 96.0 | 85-115 | | |
| Nickel | 108 | | 1.00 | ug/L | 100 | | 108 | 85-115 | | |
| Silver | 50.4 | | 0.500 | ug/L | 50.0 | | 101 | 85-115 | | |
| Thallium | 50.1 | | 0.500 | ug/L | 50.0 | | 100 | 85-115 | | |
| Zinc | 206 | | 2.00 | ug/L | 200 | | 103 | 85-115 | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0429 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Duplicate (BFC0429-DUP1)** | | **Source: 22A3944-09** | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Antimony | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Arsenic | 7.75 | | 5.00 | ug/L | | 6.70 | | | 14.5 | 20 |
| Beryllium | <2.00 | U | 2.00 | ug/L | | <2.00 | | | | 20 |
| Cadmium | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Chromium | <30.0 | U | 30.0 | ug/L | | <30.0 | | | | 20 |
| Copper | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Lead | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Nickel | 0.663 | J | 10.0 | ug/L | | <10.0 | | | 200 | 20 |
| Silver | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Thallium | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Zinc | <20.0 | U | 20.0 | ug/L | | <20.0 | | | | 20 |
| **MRL Check (BFC0429-MRL1)** | | | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Antimony | 0.244 | J | 1.00 | ug/L | 0.200 | | 122 | | | |
| Arsenic | 0.0610 | J | 0.500 | ug/L | 0.100 | | 61.0 | | | |
| Beryllium | 0.0150 | J | 0.200 | ug/L | 0.0100 | | 150 | | | |
| Cadmium | 0.0490 | J | 1.00 | ug/L | 0.0500 | | 98.0 | | | |
| Chromium | 0.0930 | J | 3.00 | ug/L | 0.0800 | | 116 | | | |
| Copper | 0.169 | J | 1.00 | ug/L | 0.200 | | 84.5 | | | |
| Lead | 0.100 | J | 0.500 | ug/L | 0.100 | | 100 | | | |
| Nickel | 0.338 | J | 1.00 | ug/L | 0.0500 | | 676 | | | |
| Silver | 0.0310 | J | 0.500 | ug/L | 0.0300 | | 103 | | | |
| Thallium | 0.0350 | J | 0.500 | ug/L | 0.0300 | | 117 | | | |
| Zinc | 4.33 | | 2.00 | ug/L | 0.200 | | NR | | | |
| **Matrix Spike (BFC0429-MS1)** | | **Source: 22A3944-09** | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Antimony | 74.1 | J1 | 10.0 | ug/L | 100 | <10.0 | 74.1 | 75-125 | | |
| Arsenic | 53.1 | | 5.00 | ug/L | 50.0 | 6.70 | 92.8 | 75-125 | | |
| Beryllium | 18.5 | | 2.00 | ug/L | 20.0 | <2.00 | 92.3 | 75-125 | | |
| Cadmium | 80.6 | | 10.0 | ug/L | 100 | <10.0 | 80.6 | 75-125 | | |
| Chromium | 257 | | 30.0 | ug/L | 300 | <30.0 | 85.7 | 75-125 | | |
| Copper | 82.3 | | 10.0 | ug/L | 100 | <10.0 | 82.3 | 75-125 | | |
| Lead | 41.3 | | 5.00 | ug/L | 50.0 | <5.00 | 82.7 | 75-125 | | |
| Nickel | 87.7 | | 10.0 | ug/L | 100 | <10.0 | 87.7 | 75-125 | | |
| Silver | 38.6 | | 5.00 | ug/L | 50.0 | <5.00 | 77.1 | 75-125 | | |
| Thallium | 40.4 | | 5.00 | ug/L | 50.0 | <5.00 | 80.9 | 75-125 | | |
| Zinc | 166 | | 20.0 | ug/L | 200 | <20.0 | 82.8 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1109 - EPA 200.8 Dissolved*** | | | | | | | | | | |
| **Blank (BFC1109-BLK1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | | | | | |
| Arsenic | <0.500 | U | 0.500 | ug/L | | | | | | |
| Cadmium | <1.00 | U | 1.00 | ug/L | | | | | | |
| Chromium | <3.00 | U | 3.00 | ug/L | | | | | | |
| Copper | 0.391 | J | 1.00 | ug/L | | | | | | |
| Lead | <0.500 | U | 0.500 | ug/L | | | | | | |
| Nickel | 0.377 | J | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| Thallium | <0.500 | U | 0.500 | ug/L | | | | | | |
| **Blank (BFC1109-BLK2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Zinc | <2.00 | U | 2.00 | ug/L | | | | | | |
| **Blank (BFC1109-BLK3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/10/2022 | | | | | |
| Beryllium | <0.200 | U | 0.200 | ug/L | | | | | | |
| **LCS (BFC1109-BS1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Antimony | 103 | | 1.00 | ug/L | 100 | | 103 | 85-115 | | |
| Arsenic | 48.6 | | 0.500 | ug/L | 50.0 | | 97.2 | 85-115 | | |
| Cadmium | 98.9 | | 1.00 | ug/L | 100 | | 98.9 | 85-115 | | |
| Chromium | 301 | | 3.00 | ug/L | 300 | | 100 | 85-115 | | |
| Copper | 99.6 | | 1.00 | ug/L | 100 | | 99.6 | 85-115 | | |
| Lead | 48.9 | | 0.500 | ug/L | 50.0 | | 97.8 | 85-115 | | |
| Nickel | 96.8 | | 1.00 | ug/L | 100 | | 96.8 | 85-115 | | |
| Silver | 52.0 | | 0.500 | ug/L | 50.0 | | 104 | 85-115 | | |
| Thallium | 50.5 | | 0.500 | ug/L | 50.0 | | 101 | 85-115 | | |
| **LCS (BFC1109-BS2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Zinc | 196 | | 2.00 | ug/L | 200 | | 98.2 | 85-115 | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1109 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **LCS (BFC1109-BS3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/10/2022 | | | | | |
| Beryllium | 17.7 | | 0.200 | ug/L | 20.0 | | 88.5 | 85-115 | | |
| **Duplicate (BFC1109-DUP1)** | | | **Source: 22B3342-01** | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Antimony | 0.871 | J | 1.00 | ug/L | | 0.943 | | | 7.94 | 20 |
| Arsenic | <0.500 | U | 0.500 | ug/L | | <0.500 | | | | 20 |
| Cadmium | <1.00 | U | 1.00 | ug/L | | <1.00 | | | | 20 |
| Chromium | 0.152 | J | 3.00 | ug/L | | 0.135 | | | 11.8 | 20 |
| Copper | 1.84 | | 1.00 | ug/L | | 1.94 | | | 5.40 | 20 |
| Lead | 0.168 | J | 0.500 | ug/L | | 0.191 | | | 12.8 | 20 |
| Nickel | 0.571 | J | 1.00 | ug/L | | 0.561 | | | 1.77 | 20 |
| Silver | <0.500 | U | 0.500 | ug/L | | <0.500 | | | | 20 |
| Thallium | <0.500 | U | 0.500 | ug/L | | <0.500 | | | | 20 |
| **Duplicate (BFC1109-DUP2)** | | | **Source: 22B3342-01** | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Zinc | 11.3 | | 2.00 | ug/L | | 12.0 | | | 5.80 | 20 |
| **Duplicate (BFC1109-DUP3)** | | | **Source: 22B3342-01** | | Prepared: 3/8/2022 Analyzed: 3/10/2022 | | | | | |
| Beryllium | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **MRL Check (BFC1109-MRL1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Antimony | 0.240 | J | 1.00 | ug/L | 0.200 | | 120 | | | |
| Arsenic | 0.101 | J | 0.500 | ug/L | 0.100 | | 101 | | | |
| Cadmium | 0.0450 | J | 1.00 | ug/L | 0.0500 | | 90.0 | | | |
| Chromium | 0.138 | J | 3.00 | ug/L | 0.0800 | | 172 | | | |
| Copper | 0.458 | J | 1.00 | ug/L | 0.200 | | 229 | | | |
| Lead | 0.128 | J | 0.500 | ug/L | 0.100 | | 128 | | | |
| Nickel | 0.472 | J | 1.00 | ug/L | 0.0500 | | 944 | | | |
| Silver | 0.0420 | J | 0.500 | ug/L | 0.0300 | | 140 | | | |
| Thallium | 0.0460 | J | 0.500 | ug/L | 0.0300 | | 153 | | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1109 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **MRL Check (BFC1109-MRL2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Zinc | 0.295 | J | 2.00 | ug/L | 0.200 | | 148 | 70-130 | | |
| **MRL Check (BFC1109-MRL3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/10/2022 | | | | | |
| Beryllium | 0.0140 | J | 0.200 | ug/L | 0.0100 | | 140 | | | |
| **Matrix Spike (BFC1109-MS1)** | | **Source: 22B3342-01** | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Antimony | 99.7 | | 1.00 | ug/L | 100 | 0.943 | 98.7 | 75-125 | | |
| Arsenic | 46.7 | | 0.500 | ug/L | 50.0 | <0.500 | 93.4 | 75-125 | | |
| Cadmium | 94.7 | | 1.00 | ug/L | 100 | <1.00 | 94.7 | 75-125 | | |
| Chromium | 297 | | 3.00 | ug/L | 300 | 0.135 | 99.0 | 75-125 | | |
| Copper | 99.5 | | 1.00 | ug/L | 100 | 1.94 | 97.6 | 75-125 | | |
| Lead | 46.8 | | 0.500 | ug/L | 50.0 | 0.191 | 93.1 | 75-125 | | |
| Nickel | 93.5 | | 1.00 | ug/L | 100 | 0.561 | 92.9 | 75-125 | | |
| Silver | 49.9 | | 0.500 | ug/L | 50.0 | <0.500 | 99.7 | 75-125 | | |
| Thallium | 47.5 | | 0.500 | ug/L | 50.0 | <0.500 | 95.0 | 75-125 | | |
| **Matrix Spike (BFC1109-MS2)** | | **Source: 22B3342-01** | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Zinc | 212 | | 2.00 | ug/L | 200 | 12.0 | 100 | 75-125 | | |
| **Matrix Spike (BFC1109-MS3)** | | **Source: 22B3342-01** | | | Prepared: 3/8/2022 Analyzed: 3/10/2022 | | | | | |
| Beryllium | 18.2 | | 0.200 | ug/L | 20.0 | <0.200 | 91.0 | 75-125 | | |
| ***Batch: BFC1350 - Cr VI*** | | | | | | | | | | |
| **Blank (BFC1350-BLK1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | <3.00 | U | 3.00 | ug/L | | | | | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1350 - Cr VI (Continued)*** | | | | | | | | | | |
| **Blank (BFC1350-BLK2)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | <3.00 | U | 3.00 | ug/L | | | | | | |
| **Blank (BFC1350-BLK3)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | <3.00 | U | 3.00 | ug/L | | | | | | |
| **LCS (BFC1350-BS1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 238 | | 3.00 | ug/L | 250 | | 95.3 | 85-115 | | |
| **LCS (BFC1350-BS2)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 244 | | 3.00 | ug/L | 250 | | 97.8 | 85-115 | | |
| **LCS (BFC1350-BS3)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 245 | | 3.00 | ug/L | 250 | | 97.8 | 85-115 | | |
| **BFC0552-BLK1 (BFC1350-LBK1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 20.6 | | 3.00 | ug/L | | | | | | |
| **BFC1063-BLK1 (BFC1350-LBK2)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 19.3 | | 3.00 | ug/L | | | | | | |
| **Matrix Spike (BFC1350-MS1)** | | **Source: 22A3987-01** | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 642 | J1 | 3.00 | ug/L | 250 | <3.00 | 257 | 70-130 | | |
| **Matrix Spike Dup (BFC1350-MSD1)** | | **Source: 22A3987-01** | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 663 | J1 | 3.00 | ug/L | 250 | <3.00 | 265 | 70-130 | 3.31 | 20 |
| ***Batch: BFC1943 - Cr VI*** | | | | | | | | | | |
| **BFB3010-BLK1 (BFC1943-LBK1)** | | | | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Chromium (VI) | 9.65 | | 3.00 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1943 - Cr VI (Continued)*** | | | | | | | | | | |
| **BFB3292-BLK1 (BFC1943-LBK2)** | | | | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Chromium (VI) | 6.22 | | 3.00 | ug/L | | | | | | |
| **Matrix Spike (BFC1943-MS1)** | | **Source: 22C2241-02** | | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Chromium (VI) | 256 | | 3.00 | ug/L | 250 | 1.80 | 102 | 70-130 | | |
| **Matrix Spike Dup (BFC1943-MSD1)** | | **Source: 22C2241-02** | | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Chromium (VI) | 256 | | 3.00 | ug/L | 250 | 1.80 | 102 | 70-130 | 0.203 | 20 |
| ***Batch: SFB0281 - BFB1613*** | | | | | | | | | | |
| **Interference Check A (SFB0281-IFA1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Antimony | 0.263 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.203 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.0880 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.93 | | | ug/L | | | | 70-130 | | |
| Copper | 0.149 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0590 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.346 | | | ug/L | | | | 70-130 | | |
| Silver | 0.0360 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.0110 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFB0281-IFB1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Antimony | 111 | | | ug/L | 100 | | 111 | 70-130 | | |
| Arsenic | 50.6 | | | ug/L | 50.0 | | 101 | 70-130 | | |
| Cadmium | 103 | | | ug/L | 100 | | 103 | 70-130 | | |
| Chromium | 257 | | | ug/L | 300 | | 85.6 | 70-130 | | |
| Copper | 90.6 | | | ug/L | 100 | | 90.6 | 70-130 | | |
| Lead | 45.2 | | | ug/L | 50.0 | | 90.5 | 70-130 | | |
| Nickel | 88.1 | | | ug/L | 100 | | 88.1 | 70-130 | | |
| Silver | 55.9 | | | ug/L | 50.0 | | 112 | 70-130 | | |
| Thallium | 47.3 | | | ug/L | 50.0 | | 94.5 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFB0288 - BFB2773*** | | | | | | | | | | |
| **Interference Check A (SFB0288-IFA1)** | | | | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Beryllium | 0.00200 | | | ug/L | | | | 70-130 | | |
| Zinc | 0.776 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFB0288-IFB1)** | | | | | Prepared & Analyzed: 2/22/2022 | | | | | |
| Beryllium | 15.1 | | | ug/L | 20.0 | | 75.7 | 70-130 | | |
| Zinc | 171 | | | ug/L | 200 | | 85.3 | 70-130 | | |
| ***Batch: SFC0024 - BFB3136*** | | | | | | | | | | |
| **Interference Check A (SFC0024-IFA1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | 0.221 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.100 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.0930 | | | ug/L | | | | 70-130 | | |
| Chromium | 4.45 | | | ug/L | | | | 70-130 | | |
| Copper | 0.197 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0710 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.516 | | | ug/L | | | | 70-130 | | |
| Silver | 0.0380 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.0180 | | | ug/L | | | | 70-130 | | |
| Zinc | 0.997 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0024-IFB1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | 107 | | | ug/L | 100 | | 107 | 70-130 | | |
| Arsenic | 50.2 | | | ug/L | 50.0 | | 100 | 70-130 | | |
| Cadmium | 98.0 | | | ug/L | 100 | | 98.0 | 70-130 | | |
| Chromium | 275 | | | ug/L | 300 | | 91.8 | 70-130 | | |
| Copper | 88.1 | | | ug/L | 100 | | 88.1 | 70-130 | | |
| Lead | 44.5 | | | ug/L | 50.0 | | 88.9 | 70-130 | | |
| Nickel | 85.6 | | | ug/L | 100 | | 85.6 | 70-130 | | |
| Silver | 50.2 | | | ug/L | 50.0 | | 100 | 70-130 | | |
| Thallium | 44.8 | | | ug/L | 50.0 | | 89.5 | 70-130 | | |
| Zinc | 170 | | | ug/L | 200 | | 84.8 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFC0025 - BFC0175*** | | | | | | | | | | |
| **Interference Check A (SFC0025-IFA1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | 0.0110 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0025-IFB1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | 14.9 | | | ug/L | 20.0 | | 74.6 | 70-130 | | |
| ***Batch: SFC0031 - BFC0429*** | | | | | | | | | | |
| **Interference Check A (SFC0031-IFA1)** | | | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Antimony | 0.210 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.0750 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.0520 | | | ug/L | | | | 70-130 | | |
| Chromium | 4.13 | | | ug/L | | | | 70-130 | | |
| Copper | 0.263 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0520 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.478 | | | ug/L | | | | 70-130 | | |
| Silver | 0.0190 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.00100 | | | ug/L | | | | 70-130 | | |
| Zinc | 0.839 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0031-IFB1)** | | | | | Prepared & Analyzed: 3/3/2022 | | | | | |
| Antimony | 108 | | | ug/L | 100 | | 108 | 70-130 | | |
| Arsenic | 54.1 | | | ug/L | 50.0 | | 108 | 70-130 | | |
| Cadmium | 94.5 | | | ug/L | 100 | | 94.5 | 70-130 | | |
| Chromium | 260 | | | ug/L | 300 | | 86.7 | 70-130 | | |
| Copper | 84.4 | | | ug/L | 100 | | 84.4 | 70-130 | | |
| Lead | 49.4 | | | ug/L | 50.0 | | 98.9 | 70-130 | | |
| Nickel | 87.4 | | | ug/L | 100 | | 87.4 | 70-130 | | |
| Silver | 44.7 | | | ug/L | 50.0 | | 89.5 | 70-130 | | |
| Thallium | 50.2 | | | ug/L | 50.0 | | 100 | 70-130 | | |
| Zinc | 173 | | | ug/L | 200 | | 86.7 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFC0084 - BFC0618*** | | | | | | | | | | |
| **Interference Check A (SFC0084-IFA1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Antimony | 0.242 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.0440 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.0400 | | | ug/L | | | | 70-130 | | |
| Chromium | 4.15 | | | ug/L | | | | 70-130 | | |
| Copper | 0.375 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0590 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.936 | | | ug/L | | | | 70-130 | | |
| Silver | -0.0220 | U | | ug/L | | | | 70-130 | | |
| Thallium | 0.0150 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0084-IFB1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Antimony | 107 | | | ug/L | 100 | | 107 | 70-130 | | |
| Arsenic | 52.0 | | | ug/L | 50.0 | | 104 | 70-130 | | |
| Cadmium | 95.6 | | | ug/L | 100 | | 95.6 | 70-130 | | |
| Chromium | 272 | | | ug/L | 300 | | 90.6 | 70-130 | | |
| Copper | 83.4 | | | ug/L | 100 | | 83.4 | 70-130 | | |
| Lead | 46.3 | | | ug/L | 50.0 | | 92.5 | 70-130 | | |
| Nickel | 82.8 | | | ug/L | 100 | | 82.8 | 70-130 | | |
| Silver | 48.2 | | | ug/L | 50.0 | | 96.5 | 70-130 | | |
| Thallium | 47.9 | | | ug/L | 50.0 | | 95.7 | 70-130 | | |
| ***Batch: SFC0092 - BFC1109*** | | | | | | | | | | |
| **Interference Check A (SFC0092-IFA1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Zinc | 3.51 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0092-IFB1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Zinc | 178 | | | ug/L | 200 | | 89.1 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFC0104 - BFC1109*** | | | | | | | | | | |
| **Interference Check A (SFC0104-IFA1)** | | | | | Prepared & Analyzed: 3/10/2022 | | | | | |
| Beryllium | 0.00200 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0104-IFB1)** | | | | | Prepared & Analyzed: 3/10/2022 | | | | | |
| Beryllium | 16.1 | | | ug/L | 20.0 | | 80.5 | 70-130 | | |

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## Quality Control
**(Continued)**

### General Chemistry

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2600 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFB2600-BLK1)** | | | | | Prepared: 2/18/2022 Analyzed: 2/21/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFB2600-DUP1)** | | | **Source: 22B3021-07** | | Prepared: 2/18/2022 Analyzed: 2/21/2022 | | | | | |
| % Solids | 1.99 | | 0.100 | % | | 2.02 | | | 1.47 | 10 |
| **Duplicate (BFB2600-DUP2)** | | | **Source: 22B3133-07** | | Prepared: 2/18/2022 Analyzed: 2/21/2022 | | | | | |
| % Solids | 1.75 | | 0.100 | % | | 1.76 | | | 0.316 | 10 |
| **Reference (BFB2600-SRM1)** | | | | | Prepared: 2/18/2022 Analyzed: 2/21/2022 | | | | | |
| % Solids | 0.352 | | 0.100 | % | 0.350 | | 100 | 78.9-118 | | |
| ***Batch: BFB2790 - TSS*** | | | | | | | | | | |
| **Blank (BFB2790-BLK1)** | | | | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **LCS (BFB2790-BS1)** | | | | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Residue-nonfilterable (TSS) | 101 | | 1.00 | mg/L | 100 | | 101 | 85-115 | | |
| **Duplicate (BFB2790-DUP1)** | | | **Source: 22A3987-04** | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Residue-nonfilterable (TSS) | 19.1 | | 1.00 | mg/L | | 16.9 | | | 12.3 | 20 |
| **Duplicate (BFB2790-DUP2)** | | | **Source: 22B3183-01** | | Prepared: 2/21/2022 Analyzed: 2/22/2022 | | | | | |
| Residue-nonfilterable (TSS) | 24.5 | | 1.00 | mg/L | | 24.2 | | | 1.03 | 10 |
| ***Batch: BFB2875 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFB2875-BLK1)** | | | | | Prepared: 2/22/2022 Analyzed: 2/23/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2875 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Duplicate (BFB2875-DUP1)** | | **Source: 22B3228-01** | | | Prepared: 2/22/2022 Analyzed: 2/23/2022 | | | | | |
| % Solids | 1.74 | | 0.100 | % | | 1.74 | | | 0.145 | 10 |
| **Duplicate (BFB2875-DUP2)** | | **Source: 22B3309-06** | | | Prepared: 2/22/2022 Analyzed: 2/23/2022 | | | | | |
| % Solids | 1.58 | | 0.100 | % | | 1.59 | | | 0.655 | 10 |
| **Reference (BFB2875-SRM1)** | | | | | Prepared: 2/22/2022 Analyzed: 2/23/2022 | | | | | |
| % Solids | 0.349 | | 0.100 | % | 0.350 | | 99.8 | 78.9-118 | | |
| ***Batch: BFB2941 - NH3-N SEAL-350.1*** | | | | | | | | | | |
| **MRL Check (BFB2941-MRL1)** | | | | | Prepared & Analyzed: 2/24/2022 | | | | | |
| Ammonia as N | 0.0437 | | | mg/L | 0.0500 | | 87.4 | 50-150 | | |
| **Matrix Spike (BFB2941-MS1)** | | **Source: 22B0311-01** | | | Prepared & Analyzed: 2/24/2022 | | | | | |
| Ammonia as N | 1.53 | J1 | 0.100 | mg/L | 0.400 | 0.930 | 150 | 90-110 | | |
| **Matrix Spike (BFB2941-MS2)** | | **Source: 22A3944-07** | | | Prepared & Analyzed: 2/24/2022 | | | | | |
| Ammonia as N | 1.04 | J1 | 0.100 | mg/L | 0.400 | 0.375 | 166 | 90-110 | | |
| **Matrix Spike Dup (BFB2941-MSD1)** | | **Source: 22B0311-01** | | | Prepared & Analyzed: 2/24/2022 | | | | | |
| Ammonia as N | 1.56 | J1 | 0.100 | mg/L | 0.400 | 0.930 | 157 | 90-110 | 1.56 | 20 |
| **Matrix Spike Dup (BFB2941-MSD2)** | | **Source: 22A3944-07** | | | Prepared & Analyzed: 2/24/2022 | | | | | |
| Ammonia as N | 1.11 | J1 | 0.100 | mg/L | 0.400 | 0.375 | 183 | 90-110 | 6.36 | 20 |
| ***Batch: BFB2981 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFB2981-BLK1)** | | | | | Prepared: 2/23/2022 Analyzed: 2/24/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB2981 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Duplicate (BFB2981-DUP1)** | | **Source: 22B3275-08** | | | Prepared: 2/23/2022 Analyzed: 2/24/2022 | | | | | |
| % Solids | 0.939 | | 0.100 | % | | 0.940 | | | 0.152 | 10 |
| **Duplicate (BFB2981-DUP2)** | | **Source: 22B3417-05** | | | Prepared: 2/23/2022 Analyzed: 2/24/2022 | | | | | |
| % Solids | 1.51 | | 0.100 | % | | 1.51 | | | 0.529 | 10 |
| **Reference (BFB2981-SRM1)** | | | | | Prepared: 2/23/2022 Analyzed: 2/24/2022 | | | | | |
| % Solids | 0.348 | | 0.100 | % | 0.350 | | 99.4 | 78.9-118 | | |
| ***Batch: BFB3065 - TSS*** | | | | | | | | | | |
| **Blank (BFB3065-BLK1)** | | | | | Prepared: 2/23/2022 Analyzed: 2/24/2022 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **LCS (BFB3065-BS1)** | | | | | Prepared: 2/23/2022 Analyzed: 2/24/2022 | | | | | |
| Residue-nonfilterable (TSS) | 91.5 | | 1.00 | mg/L | 100 | | 91.5 | 85-115 | | |
| **Duplicate (BFB3065-DUP1)** | | **Source: 22A3944-10** | | | Prepared: 2/23/2022 Analyzed: 2/24/2022 | | | | | |
| Residue-nonfilterable (TSS) | 73.2 | J1 | 1.00 | mg/L | | 33.8 | | | 73.8 | 20 |
| **Duplicate (BFB3065-DUP2)** | | **Source: 22B3382-01** | | | Prepared: 2/23/2022 Analyzed: 2/24/2022 | | | | | |
| Residue-nonfilterable (TSS) | 6.89 | | 1.00 | mg/L | | 6.44 | | | 6.67 | 10 |
| ***Batch: BFB3066 - pH*** | | | | | | | | | | |
| **LCS (BFB3066-BS1)** | | | | | Prepared & Analyzed: 2/23/2022 | | | | | |
| pH | 6.90 | | | pH Units @ 25 °C | 6.86 | | 101 | 98.6-101.4 | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3066 - pH (Continued)*** | | | | | | | | | | |
| **Duplicate (BFB3066-DUP1)** | | **Source: 22A3944-28** | | | Prepared & Analyzed: 2/23/2022 | | | | | |
| pH | 8.71 | | 0.100 | pH Units @ 25 °C | | 8.74 | | | 0.344 | 200 |
| ***Batch: BFB3287 - CN-9014*** | | | | | | | | | | |
| **Blank (BFB3287-BLK1)** | | | | | Prepared: 2/24/2022 Analyzed: 2/25/2022 | | | | | |
| Total Cyanide | <0.0505 | U | 0.0505 | mg/kg wet | | | | | | |
| **QCS (BFB3287-BS1)** | | | | | Prepared: 2/24/2022 Analyzed: 2/25/2022 | | | | | |
| Total Cyanide | 0.955 | | 0.0500 | mg/kg wet | 1.00 | | 95.5 | 90-110 | | |
| **MRL Check (BFB3287-MRL1)** | | | | | Prepared: 2/24/2022 Analyzed: 2/25/2022 | | | | | |
| Total Cyanide | 0.0509 | | 0.0490 | mg/kg wet | 0.0980 | | 51.9 | 50-150 | | |
| **Matrix Spike (BFB3287-MS1)** | | **Source: 22A3944-28** | | | Prepared: 2/24/2022 Analyzed: 2/25/2022 | | | | | |
| Total Cyanide | 1.01 | | 0.0547 | mg/kg dry | 1.09 | <0.0547 | 92.7 | 80-120 | | |
| **Matrix Spike Dup (BFB3287-MSD1)** | | **Source: 22A3944-28** | | | Prepared: 2/24/2022 Analyzed: 2/25/2022 | | | | | |
| Total Cyanide | 1.08 | | 0.0580 | mg/kg dry | 1.16 | <0.0580 | 92.7 | 80-120 | 5.86 | 20 |
| ***Batch: BFB3351 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFB3351-BLK1)** | | | | | Prepared: 2/25/2022 Analyzed: 2/28/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFB3351-DUP1)** | | **Source: 22B3738-03** | | | Prepared: 2/25/2022 Analyzed: 2/28/2022 | | | | | |
| % Solids | 1.56 | | 0.100 | % | | 1.58 | | | 1.32 | 10 |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3351 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Duplicate (BFB3351-DUP2)** | | **Source: 22B3792-01** | | | Prepared: 2/25/2022 Analyzed: 2/28/2022 | | | | | |
| % Solids | 14.6 | | 0.100 | % | | 14.7 | | | 0.237 | 10 |
| **Reference (BFB3351-SRM1)** | | | | | Prepared: 2/25/2022 Analyzed: 2/28/2022 | | | | | |
| % Solids | 0.356 | | 0.100 | % | 0.350 | | 102 | 78.9-118 | | |
| ***Batch: BFB3688 - TSS*** | | | | | | | | | | |
| **Blank (BFB3688-BLK1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/1/2022 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **LCS (BFB3688-BS1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/1/2022 | | | | | |
| Residue-nonfilterable (TSS) | 96.3 | | 1.00 | mg/L | 100 | | 96.3 | 85-115 | | |
| **Duplicate (BFB3688-DUP1)** | | **Source: 22B3633-01** | | | Prepared: 2/28/2022 Analyzed: 3/1/2022 | | | | | |
| Residue-nonfilterable (TSS) | 1.68 | | 1.00 | mg/L | | 1.68 | | | 0.00 | 10 |
| **Duplicate (BFB3688-DUP2)** | | **Source: 22B3791-01** | | | Prepared: 2/28/2022 Analyzed: 3/1/2022 | | | | | |
| Residue-nonfilterable (TSS) | 4.00 | | 1.00 | mg/L | | 3.79 | | | 5.41 | 10 |
| ***Batch: BFC0103 - pH*** | | | | | | | | | | |
| **LCS (BFC0103-BS1)** | | | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| pH | 6.87 | | | pH Units @ 25 °C | 6.86 | | 100 | 98.6-101.4 | | |
| **Duplicate (BFC0103-DUP1)** | | **Source: 22A3944-36** | | | Prepared & Analyzed: 3/1/2022 | | | | | |
| pH | 8.40 | | 0.100 | pH Units @ 25 °C | | 8.34 | | | 0.717 | 200 |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0271 - CN-9014*** | | | | | | | | | | |
| **Blank (BFC0271-BLK1)** | | | | | Prepared: 3/2/2022 Analyzed: 3/4/2022 | | | | | |
| Total Cyanide | <0.0495 | U | 0.0495 | mg/kg wet | | | | | | |
| **QCS (BFC0271-BS1)** | | | | | Prepared: 3/2/2022 Analyzed: 3/4/2022 | | | | | |
| Total Cyanide | 0.961 | | 0.0485 | mg/kg wet | 0.971 | | 99.0 | 90-110 | | |
| **MRL Check (BFC0271-MRL1)** | | | | | Prepared: 3/2/2022 Analyzed: 3/4/2022 | | | | | |
| Total Cyanide | 0.0582 | | 0.0521 | mg/kg wet | 0.104 | | 55.9 | 50-150 | | |
| **Matrix Spike (BFC0271-MS1)** | | **Source: 22B3776-01** | | | Prepared: 3/2/2022 Analyzed: 3/4/2022 | | | | | |
| Total Cyanide | 14.1 | J1 | 0.357 | mg/kg wet | 7.14 | 26.0 | NR | 80-120 | | |
| **Matrix Spike Dup (BFC0271-MSD1)** | | **Source: 22B3776-01** | | | Prepared: 3/2/2022 Analyzed: 3/4/2022 | | | | | |
| Total Cyanide | 27.5 | J1, L | 0.385 | mg/kg wet | 7.69 | 26.0 | 20.0 | 80-120 | 64.7 | 20 |
| ***Batch: BFC0534 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFC0534-BLK1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFC0534-DUP1)** | | **Source: 22C0820-03** | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| % Solids | 2.41 | | 0.100 | % | | 2.42 | | | 0.311 | 10 |
| **Duplicate (BFC0534-DUP2)** | | **Source: 22C0887-07** | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| % Solids | 1.80 | | 0.100 | % | | 1.81 | | | 0.159 | 10 |
| **Reference (BFC0534-SRM1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| % Solids | 0.339 | | 0.100 | % | 0.350 | | 96.7 | 78.9-118 | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0540 - TSS*** | | | | | | | | | | |
| **Blank (BFC0540-BLK1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **LCS (BFC0540-BS1)** | | | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| Residue-nonfilterable (TSS) | 97.8 | | 1.00 | mg/L | 100 | | 97.8 | 85-115 | | |
| **Duplicate (BFC0540-DUP1)** | | **Source: 22A3944-09** | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| Residue-nonfilterable (TSS) | 100 | | 1.00 | mg/L | | 99.2 | | | 1.25 | 10 |
| **Duplicate (BFC0540-DUP2)** | | **Source: 22C1099-01** | | | Prepared: 3/3/2022 Analyzed: 3/4/2022 | | | | | |
| Residue-nonfilterable (TSS) | 12.2 | | 1.00 | mg/L | | 12.2 | | | 0.00 | 10 |
| ***Batch: BFC0646 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFC0646-BLK1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/7/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFC0646-DUP1)** | | **Source: 22C1259-01** | | | Prepared: 3/4/2022 Analyzed: 3/7/2022 | | | | | |
| % Solids | 2.36 | | 0.100 | % | | 2.36 | | | 0.0456 | 10 |
| **Duplicate (BFC0646-DUP2)** | | **Source: 22C1361-07** | | | Prepared: 3/4/2022 Analyzed: 3/7/2022 | | | | | |
| % Solids | 2.01 | | 0.100 | % | | 2.02 | | | 0.302 | 10 |
| **Reference (BFC0646-SRM1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/7/2022 | | | | | |
| % Solids | 0.352 | | 0.100 | % | 0.350 | | 101 | 78.9-118 | | |
| ***Batch: BFC0772 - NH3-N T*** | | | | | | | | | | |
| **Blank (BFC0772-BLK1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Ammonia as N | <19.9 | U | 19.9 | mg/kg wet | | | | | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0772 - NH3-N T (Continued)*** | | | | | | | | | | |
| **LCS (BFC0772-BS1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Ammonia as N | 204 | | 20.0 | mg/kg wet | 200 | | 102 | 85-115 | | |
| **Duplicate (BFC0772-DUP1)** | | **Source: 22A3944-28** | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Ammonia as N | <23.0 | U | 23.0 | mg/kg dry | | <23.0 | | | | 20 |
| **MRL Check (BFC0772-MRL1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Ammonia as N | 18.9 | J | 19.9 | mg/kg wet | 19.9 | | 95.2 | 50-150 | | |
| **Matrix Spike (BFC0772-MS1)** | | **Source: 22A3944-28** | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Ammonia as N | 235 | | 22.7 | mg/kg dry | 227 | <22.7 | 104 | 85-115 | | |
| ***Batch: BFC0778 - pH*** | | | | | | | | | | |
| **LCS (BFC0778-BS1)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| pH | 6.88 | | | pH Units @ 25 °C | 6.86 | | 100 | 98.6-101.4 | | |
| **Duplicate (BFC0778-DUP1)** | | **Source: 22A3944-29** | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| pH | 8.24 | | 0.100 | pH Units @ 25 °C | | 8.25 | | | 0.121 | 200 |
| ***Batch: BFC1054 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFC1054-BLK1)** | | | | | Prepared: 3/7/2022 Analyzed: 3/8/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFC1054-DUP1)** | | **Source: 22C1409-06** | | | Prepared: 3/7/2022 Analyzed: 3/8/2022 | | | | | |
| % Solids | 0.813 | | 0.100 | % | | 0.843 | | | 3.58 | 10 |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1054 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Duplicate (BFC1054-DUP2)** | | **Source: 22C1705-01** | | | Prepared: 3/7/2022 Analyzed: 3/8/2022 | | | | | |
| % Solids | 1.81 | | 0.100 | % | | 1.81 | | | 0.00823 | 10 |
| **Reference (BFC1054-SRM1)** | | | | | Prepared: 3/7/2022 Analyzed: 3/8/2022 | | | | | |
| % Solids | 0.347 | | 0.100 | % | 0.350 | | 99.1 | 78.9-118 | | |
| ***Batch: BFC1138 - pH*** | | | | | | | | | | |
| **LCS (BFC1138-BS1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| pH | 6.88 | | | pH Units @ 25 °C | 6.86 | | 100 | 98.6-101.4 | | |
| **Duplicate (BFC1138-DUP1)** | | **Source: 22A3944-43** | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| pH | 8.59 | | 0.100 | pH Units @ 25 °C | | 8.58 | | | 0.116 | 200 |
| ***Batch: BFC1141 - TSS*** | | | | | | | | | | |
| **Blank (BFC1141-BLK1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **LCS (BFC1141-BS1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Residue-nonfilterable (TSS) | 100 | | 1.00 | mg/L | 100 | | 100 | 85-115 | | |
| **Duplicate (BFC1141-DUP1)** | | **Source: 22C1494-01** | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Residue-nonfilterable (TSS) | 2.11 | | 1.00 | mg/L | | 2.11 | | | 0.00 | 10 |
| **Duplicate (BFC1141-DUP2)** | | **Source: 22C1652-02** | | | Prepared: 3/8/2022 Analyzed: 3/9/2022 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | 1.05 | | | 200 | 30 |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1222 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFC1222-BLK1)** | | | | | Prepared: 3/9/2022 Analyzed: 3/10/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFC1222-DUP1)** | | **Source: 22C1501-06** | | | Prepared: 3/9/2022 Analyzed: 3/10/2022 | | | | | |
| % Solids | 1.17 | | 0.100 | % | | 1.17 | | | 0.0691 | 10 |
| **Duplicate (BFC1222-DUP2)** | | **Source: 22C1863-01** | | | Prepared: 3/9/2022 Analyzed: 3/10/2022 | | | | | |
| % Solids | 1.72 | | 0.100 | % | | 1.73 | | | 0.767 | 10 |
| **Reference (BFC1222-SRM1)** | | | | | Prepared: 3/9/2022 Analyzed: 3/10/2022 | | | | | |
| % Solids | 0.353 | | 0.100 | % | 0.350 | | 101 | 78.9-118 | | |
| ***Batch: BFC1379 - Alkalinity*** | | | | | | | | | | |
| **Blank (BFC1379-BLK1)** | | | | | Prepared & Analyzed: 3/10/2022 | | | | | |
| Salinity | <1.00 | U | 1.00 | Salinity units | | | | | | |
| **LCS (BFC1379-BS3)** | | | | | Prepared & Analyzed: 3/10/2022 | | | | | |
| Salinity | 32.1 | | | Salinity units | 35.0 | | 91.8 | 90-110 | | |
| **Duplicate (BFC1379-DUP1)** | | **Source: 22C0062-01** | | | Prepared & Analyzed: 3/10/2022 | | | | | |
| Salinity | <1.00 | U | 1.00 | Salinity units | | <1.00 | | | | 15 |
| **Duplicate (BFC1379-DUP2)** | | **Source: 22C0411-01** | | | Prepared & Analyzed: 3/10/2022 | | | | | |
| Salinity | 1.78 | | 1.00 | Salinity units | | 1.78 | | | 0.00 | 15 |
| ***Batch: BFC1476 - CN-9014*** | | | | | | | | | | |
| **Blank (BFC1476-BLK1)** | | | | | Prepared: 3/10/2022 Analyzed: 3/11/2022 | | | | | |
| Total Cyanide | <0.0505 | U | 0.0505 | mg/kg wet | | | | | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1476 - CN-9014 (Continued)*** | | | | | | | | | | |
| **QCS (BFC1476-BS1)** | | | | | Prepared: 3/10/2022 Analyzed: 3/11/2022 | | | | | |
| Total Cyanide | 0.895 | | 0.0490 | mg/kg wet | 0.980 | | 91.3 | 90-110 | | |
| **MRL Check (BFC1476-MRL1)** | | | | | Prepared: 3/10/2022 Analyzed: 3/11/2022 | | | | | |
| Total Cyanide | 0.107 | | 0.0472 | mg/kg wet | 0.0943 | | 114 | 50-150 | | |
| **Matrix Spike (BFC1476-MS1)** | | **Source: 22A1433-59** | | | Prepared: 3/10/2022 Analyzed: 3/11/2022 | | | | | |
| Total Cyanide | 0.712 | J1 | 0.104 | mg/kg dry | 2.08 | <0.104 | 34.2 | 80-120 | | |
| **Matrix Spike Dup (BFC1476-MSD1)** | | **Source: 22A1433-59** | | | Prepared: 3/10/2022 Analyzed: 3/11/2022 | | | | | |
| Total Cyanide | 1.37 | J1 | 0.112 | mg/kg dry | 2.24 | <0.112 | 61.1 | 80-120 | 62.9 | 20 |
| ***Batch: BFC2072 - NH3-N SEAL-350.1*** | | | | | | | | | | |
| **BFC0552-LBK1 (BFC2072-LBK1)** | | | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | <0.0500 | U | 0.0500 | mg/L | | | | | | |
| **MRL Check (BFC2072-MRL1)** | | | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | 0.0378 | | | mg/L | 0.0500 | | 75.6 | 50-150 | | |
| **Matrix Spike (BFC2072-MS1)** | | **Source: 22A3944-19** | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | 0.111 | J1 | 0.0500 | mg/L | 0.400 | 0.0552 | 14.0 | 90-110 | | |
| **Matrix Spike (BFC2072-MS2)** | | **Source: 22B3342-06** | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | 0.905 | | 0.0500 | mg/L | 0.400 | 0.520 | 96.2 | 90-110 | | |
| **Matrix Spike Dup (BFC2072-MSD1)** | | **Source: 22A3944-19** | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | 0.0486 | J1, J | 0.0500 | mg/L | 0.400 | 0.0552 | NR | 90-110 | 78.5 | 20 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2072 - NH3-N SEAL-350.1 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC2072-MSD2)** | | **Source: 22B3342-06** | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | 0.892 | | 0.0500 | mg/L | 0.400 | 0.520 | 93.1 | 90-110 | 1.38 | 20 |
| ***Batch: BFC2785 - NH3-N SEAL-350.1*** | | | | | | | | | | |
| **MRL Check (BFC2785-MRL1)** | | | | | Prepared & Analyzed: 3/21/2022 | | | | | |
| Ammonia as N | 0.0478 | | | mg/L | 0.0500 | | 95.6 | 50-150 | | |
| **Matrix Spike (BFC2785-MS1)** | | **Source: 22C3022-03** | | | Prepared & Analyzed: 3/21/2022 | | | | | |
| Ammonia as N | 47.2 | | 2.50 | mg/L | 0.400 | 46.8 | 101 | 90-110 | | |
| **Matrix Spike (BFC2785-MS2)** | | **Source: 22C3124-05** | | | Prepared & Analyzed: 3/21/2022 | | | | | |
| Ammonia as N | 56.3 | | 5.00 | mg/L | 0.400 | 55.9 | 106 | 90-110 | | |
| **Matrix Spike Dup (BFC2785-MSD1)** | | **Source: 22C3022-03** | | | Prepared & Analyzed: 3/21/2022 | | | | | |
| Ammonia as N | 47.2 | | 2.50 | mg/L | 0.400 | 46.8 | 98.0 | 90-110 | 0.0263 | 20 |
| **Matrix Spike Dup (BFC2785-MSD2)** | | **Source: 22C3124-05** | | | Prepared & Analyzed: 3/21/2022 | | | | | |
| Ammonia as N | 56.3 | | 5.00 | mg/L | 0.400 | 55.9 | 94.7 | 90-110 | 0.0815 | 20 |
| ***Batch: BFC3789 - NH3-N T*** | | | | | | | | | | |
| **Blank (BFC3789-BLK1)** | | | | | Prepared: 3/27/2022 Analyzed: 3/29/2022 | | | | | |
| Ammonia as N | <20.0 | U | 20.0 | mg/kg wet | | | | | | |
| **LCS (BFC3789-BS1)** | | | | | Prepared: 3/27/2022 Analyzed: 3/29/2022 | | | | | |
| Ammonia as N | 187 | | 20.0 | mg/kg wet | 200 | | 93.8 | 85-115 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC3789 - NH3-N T (Continued)*** | | | | | | | | | | |
| **Duplicate (BFC3789-DUP1)** | | **Source: 22A3944-43** | | | Prepared: 3/27/2022 Analyzed: 3/29/2022 | | | | | |
| Ammonia as N | 39.3 | | 34.2 | mg/kg dry | | 42.2 | | | 7.26 | 20 |
| **MRL Check (BFC3789-MRL1)** | | | | | Prepared: 3/27/2022 Analyzed: 3/29/2022 | | | | | |
| Ammonia as N | 19.0 | J | 20.0 | mg/kg wet | 20.0 | | 95.2 | 50-150 | | |
| **Matrix Spike (BFC3789-MS1)** | | **Source: 22A3944-43** | | | Prepared: 3/27/2022 Analyzed: 3/29/2022 | | | | | |
| Ammonia as N | 362 | | 34.0 | mg/kg dry | 340 | 42.2 | 94.0 | 85-115 | | |
| ***Batch: BFE3293 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFE3293-BLK1)** | | | | | Prepared: 5/25/2022 Analyzed: 5/26/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFE3293-DUP1)** | | **Source: 22E3599-07** | | | Prepared: 5/25/2022 Analyzed: 5/26/2022 | | | | | |
| % Solids | 1.22 | | 0.100 | % | | 1.23 | | | 0.789 | 10 |
| **Duplicate (BFE3293-DUP2)** | | **Source: 22E3683-04** | | | Prepared: 5/25/2022 Analyzed: 5/26/2022 | | | | | |
| % Solids | 0.689 | | 0.100 | % | | 0.684 | | | 0.699 | 10 |
| **Reference (BFE3293-SRM1)** | | | | | Prepared: 5/25/2022 Analyzed: 5/26/2022 | | | | | |
| % Solids | 0.325 | | 0.100 | % | 0.350 | | 92.9 | 78.9-118 | | |

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## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511*** | | | | | | | | | | |
| **Blank (BFB3690-BLK1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.549 | U | 0.549 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.549 | U | 0.549 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.549 | U | 0.549 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.549 | U | 0.549 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.549 | U | 0.549 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.10 | U | 1.10 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.40 | U | 4.40 | ug/L | | | | | | |
| Acenaphthene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Acenaphthylene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Anthracene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.549 | U | 0.549 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <1.10 | U | 1.10 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Chrysene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Diethyl phthalate | <0.549 | U | 0.549 | ug/L | | | | | | |
| Fluoranthene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Fluorene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Hexachlorobenzene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Naphthalene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Pentachlorophenol | <1.10 | U | 1.10 | ug/L | | | | | | |
| Phenanthrene | <0.549 | U | 0.549 | ug/L | | | | | | |
| Phenol, Total | <1.10 | U | 1.10 | ug/L | | | | | | |
| Pyrene | <0.549 | U | 0.549 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.9* | *ug/L* | *9.77* | | *111* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.0* | *ug/L* | *19.5* | | *118* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.1* | *ug/L* | *19.5* | | *97.6* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.8* | *ug/L* | *9.77* | | *121* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.5* | *ug/L* | *19.5* | | *115* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *13.8* | *ug/L* | *9.77* | | *142* | *51.9-147* | | |

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## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFB3690-BLK2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.82* | *ug/L* | *9.77* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.9* | *ug/L* | *19.5* | | *112* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.2* | *ug/L* | *19.5* | | *88.0* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.2* | *ug/L* | *9.77* | | *125* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *25.2* | *ug/L* | *19.5* | | *129* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.82* | *ug/L* | *9.77* | | *101* | *51.9-147* | | |
| **Blank (BFB3690-BLK3)** | | | | | Prepared: 2/28/2022 Analyzed: 3/25/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *8.71* | *ug/L* | *9.77* | | *89.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *12.4* | *ug/L* | *19.5* | | *63.4* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *13.1* | *ug/L* | *19.5* | | *67.0* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.79* | *ug/L* | *9.77* | | *100* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *13.9* | *ug/L* | *19.5* | | *71.0* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.39* | *ug/L* | *9.77* | | *85.9* | *51.9-147* | | |
| **LCS (BFB3690-BS1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/25/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.33* | *ug/L* | *9.89* | | *94.4* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *12.8* | *ug/L* | *19.8* | | *64.5* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *13.5* | *ug/L* | *19.8* | | *68.3* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.7* | *ug/L* | *9.89* | | *108* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *15.9* | *ug/L* | *19.8* | | *80.4* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.95* | *ug/L* | *9.89* | | *80.4* | *51.9-147* | | |
| **LCS (BFB3690-BS2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 8.03 | | 0.557 | ug/L | 9.91 | | 81.1 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.18 | | 0.557 | ug/L | 9.91 | | 82.6 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.74 | | 0.557 | ug/L | 9.91 | | 68.0 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 8.06 | | 0.557 | ug/L | 9.91 | | 81.4 | 60-140 | | |
| 2,4-Dichlorophenol | 23.4 | | 0.557 | ug/L | 19.8 | | 118 | 60-140 | | |
| 2,4-Dimethylphenol | 19.0 | | 1.11 | ug/L | 19.8 | | 95.9 | 35.9-153 | | |
| 2,4-Dinitrophenol | 46.9 | | 4.46 | ug/L | 49.5 | | 94.7 | 60-140 | | |
| Acenaphthene | 7.55 | | 0.557 | ug/L | 9.91 | | 76.2 | 60-140 | | |
| Acenaphthylene | 7.99 | | 0.557 | ug/L | 9.91 | | 80.6 | 60-140 | | |
| Anthracene | 8.52 | | 0.557 | ug/L | 9.91 | | 86.0 | 60-140 | | |
| Benzo(a)anthracene | 7.60 | | 0.557 | ug/L | 9.91 | | 76.7 | 60-140 | | |
| Benzo(a)pyrene | 8.21 | | 0.557 | ug/L | 9.91 | | 82.8 | 60-140 | | |
| benzo(b&k)fluoranthene | 17.1 | | 1.11 | ug/L | 19.8 | | 86.2 | 60-140 | | |
| Benzo(g,h,i)perylene | 8.63 | | 0.557 | ug/L | 9.91 | | 87.1 | 60-140 | | |
| Chrysene | 9.00 | | 0.557 | ug/L | 9.91 | | 90.8 | 60-140 | | |
| Dibenzo(a,h)anthracene | 8.42 | | 0.557 | ug/L | 9.91 | | 85.0 | 60-140 | | |
| Diethyl phthalate | 8.43 | | 0.557 | ug/L | 9.91 | | 85.1 | 60-140 | | |
| Fluoranthene | 7.97 | | 0.557 | ug/L | 9.91 | | 80.4 | 60-140 | | |
| Fluorene | 8.60 | | 0.557 | ug/L | 9.91 | | 86.8 | 60-140 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3690-BS2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| Hexachlorobenzene | 8.15 | | 0.557 | ug/L | 9.91 | | 82.2 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 8.82 | | 0.557 | ug/L | 9.91 | | 89.1 | 60-140 | | |
| Naphthalene | 9.27 | | 0.557 | ug/L | 9.91 | | 93.6 | 60-140 | | |
| Pentachlorophenol | 18.6 | | 1.11 | ug/L | 19.8 | | 94.1 | 36.8-149 | | |
| Phenanthrene | 8.27 | | 0.557 | ug/L | 9.91 | | 83.4 | 60-140 | | |
| Phenol, Total | 22.1 | | 1.11 | ug/L | 19.8 | | 111 | 60-140 | | |
| Pyrene | 8.45 | | 0.557 | ug/L | 9.91 | | 85.3 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.8* | *ug/L* | *9.91* | | *109* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.2* | *ug/L* | *19.8* | | *102* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.5* | *ug/L* | *19.8* | | *93.4* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.26* | *ug/L* | *9.91* | | *93.5* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *17.1* | *ug/L* | *19.8* | | *86.4* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.6* | *ug/L* | *9.91* | | *107* | *51.9-147* | | |
| **LCS (BFB3690-BS3)** | | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.5* | *ug/L* | *9.91* | | *106* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.5* | *ug/L* | *19.8* | | *108* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *21.1* | *ug/L* | *19.8* | | *107* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.9* | *ug/L* | *9.91* | | *120* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.3* | *ug/L* | *19.8* | | *138* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.55* | *ug/L* | *9.91* | | *86.3* | *51.9-147* | | |
| **LCS Dup (BFB3690-BSD1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/25/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.60* | *ug/L* | *9.89* | | *97.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *15.1* | *ug/L* | *19.8* | | *76.3* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *15.1* | *ug/L* | *19.8* | | *76.4* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.4* | *ug/L* | *9.89* | | *116* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.4* | *ug/L* | *19.8* | | *92.8* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.96* | *ug/L* | *9.89* | | *90.6* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
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## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3690-BSD2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 9.39 | | 0.553 | ug/L | 9.82 | | 95.5 | 60-140 | 15.5 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.54 | | 0.553 | ug/L | 9.82 | | 87.0 | 60-140 | 4.29 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 7.41 | | 0.553 | ug/L | 9.82 | | 75.4 | 60-140 | 9.50 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 10.5 | | 0.553 | ug/L | 9.82 | | 107 | 60-140 | 26.5 | 40 |
| 2,4-Dichlorophenol | 24.5 | | 0.553 | ug/L | 19.6 | | 125 | 60-140 | 4.57 | 40 |
| 2,4-Dimethylphenol | 22.0 | | 1.11 | ug/L | 19.6 | | 112 | 35.9-153 | 14.7 | 40 |
| 2,4-Dinitrophenol | 47.7 | | 4.42 | ug/L | 49.1 | | 97.2 | 60-140 | 1.72 | 40 |
| Acenaphthene | 9.16 | | 0.553 | ug/L | 9.82 | | 93.2 | 60-140 | 19.3 | 40 |
| Acenaphthylene | 8.43 | | 0.553 | ug/L | 9.82 | | 85.9 | 60-140 | 5.44 | 40 |
| Anthracene | 8.32 | | 0.553 | ug/L | 9.82 | | 84.7 | 60-140 | 2.38 | 40 |
| Benzo(a)anthracene | 8.82 | | 0.553 | ug/L | 9.82 | | 89.7 | 60-140 | 14.8 | 40 |
| Benzo(a)pyrene | 9.35 | | 0.553 | ug/L | 9.82 | | 95.2 | 60-140 | 13.0 | 40 |
| benzo(b&k)fluoranthene | 18.2 | | 1.11 | ug/L | 19.6 | | 92.9 | 60-140 | 6.59 | 40 |
| Benzo(g,h,i)perylene | 9.37 | | 0.553 | ug/L | 9.82 | | 95.4 | 60-140 | 8.21 | 40 |
| Chrysene | 9.67 | | 0.553 | ug/L | 9.82 | | 98.5 | 60-140 | 7.25 | 40 |
| Dibenzo(a,h)anthracene | 9.21 | | 0.553 | ug/L | 9.82 | | 93.8 | 60-140 | 8.96 | 40 |
| Diethyl phthalate | 9.02 | | 0.553 | ug/L | 9.82 | | 91.8 | 60-140 | 6.73 | 40 |
| Fluoranthene | 9.53 | | 0.553 | ug/L | 9.82 | | 97.0 | 60-140 | 17.8 | 40 |
| Fluorene | 10.2 | | 0.553 | ug/L | 9.82 | | 104 | 60-140 | 17.1 | 40 |
| Hexachlorobenzene | 8.91 | | 0.553 | ug/L | 9.82 | | 90.7 | 60-140 | 8.94 | 40 |
| Indeno(1,2,3-cd) pyrene | 9.23 | | 0.553 | ug/L | 9.82 | | 93.9 | 60-140 | 4.45 | 40 |
| Naphthalene | 9.80 | | 0.553 | ug/L | 9.82 | | 99.8 | 60-140 | 5.55 | 40 |
| Pentachlorophenol | 21.1 | | 1.11 | ug/L | 19.6 | | 107 | 36.8-149 | 12.5 | 40 |
| Phenanthrene | 9.58 | | 0.553 | ug/L | 9.82 | | 97.5 | 60-140 | 14.7 | 40 |
| Phenol, Total | 23.6 | | 1.11 | ug/L | 19.6 | | 120 | 60-140 | 6.57 | 40 |
| Pyrene | 9.65 | | 0.553 | ug/L | 9.82 | | 98.3 | 60-140 | 13.3 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.7* | *ug/L* | *9.82* | | *130* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *24.3* | *ug/L* | *19.6* | | *124* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *21.1* | *ug/L* | *19.6* | | *108* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.2* | *ug/L* | *9.82* | | *124* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.1* | *ug/L* | *19.6* | | *118* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *11.9* | *ug/L* | *9.82* | | *121* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFB3690-BSD3)** | | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.9* | *ug/L* | *9.82* | | *111* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.8* | *ug/L* | *19.6* | | *111* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *22.2* | *ug/L* | *19.6* | | *113* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *13.3* | *ug/L* | *9.82* | | *135* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *29.1* | *ug/L* | *19.6* | | *148* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.51* | *ug/L* | *9.82* | | *96.9* | *51.9-147* | | |
| **BFB3292-BLK1 (BFB3690-LBK1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.49 | U | 4.49 | ug/L | | | | | | |
| Acenaphthene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Acenaphthylene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <1.12 | U | 1.12 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Chrysene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Diethyl phthalate | 1.18 | | 0.561 | ug/L | | | | | | |
| Fluoranthene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Fluorene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachlorobenzene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Naphthalene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Pentachlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| Phenanthrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Phenol, Total | 1.76 | | 1.12 | ug/L | | | | | | |
| Pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.0* | *ug/L* | *9.97* | | *131* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *25.2* | *ug/L* | *19.9* | | *126* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *23.1* | *ug/L* | *19.9* | | *116* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *13.0* | *ug/L* | *9.97* | | *131* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *24.2* | *ug/L* | *19.9* | | *121* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *11.5* | *ug/L* | *9.97* | | *115* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFB3010-BLK1 (BFB3690-LBK3)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.552 | U | 0.552 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.552 | U | 0.552 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.552 | U | 0.552 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.552 | U | 0.552 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.552 | U | 0.552 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.10 | U | 1.10 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.42 | U | 4.42 | ug/L | | | | | | |
| Acenaphthene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Acenaphthylene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Anthracene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.552 | U | 0.552 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <1.10 | U | 1.10 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Chrysene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Diethyl phthalate | 0.902 | | 0.552 | ug/L | | | | | | |
| Fluoranthene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Fluorene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Hexachlorobenzene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Naphthalene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Pentachlorophenol | <1.10 | U | 1.10 | ug/L | | | | | | |
| Phenanthrene | <0.552 | U | 0.552 | ug/L | | | | | | |
| Phenol, Total | 1.03 | J | 1.10 | ug/L | | | | | | |
| Pyrene | <0.552 | U | 0.552 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | *S* | | *15.6* | *ug/L* | *9.82* | | *159* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *27.8* | *ug/L* | *19.6* | | *141* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *25.6* | *ug/L* | *19.6* | | *130* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *13.6* | *ug/L* | *9.82* | | *139* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *25.4* | *ug/L* | *19.6* | | *129* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *11.8* | *ug/L* | *9.82* | | *120* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFB3292-BLK1 (BFB3690-LBK4)** | | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.9* | *ug/L* | *9.97* | | *109* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *24.9* | *ug/L* | *19.9* | | *125* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.8* | *ug/L* | *19.9* | | *105* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *13.5* | *ug/L* | *9.97* | | *135* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *28.7* | *ug/L* | *19.9* | | *144* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.96* | *ug/L* | *9.97* | | *99.8* | *51.9-147* | | |
| **BFB3292-BLK1 (BFB3690-LBK5)** | | | | | Prepared: 2/28/2022 Analyzed: 3/25/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.23* | *ug/L* | *9.97* | | *92.6* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *16.4* | *ug/L* | *19.9* | | *82.0* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *6.53* | *ug/L* | *19.9* | | *32.7* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.8* | *ug/L* | *9.97* | | *108* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *16.2* | *ug/L* | *19.9* | | *81.2* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.59* | *ug/L* | *9.97* | | *96.2* | *51.9-147* | | |
| **MDL BENZ (BFB3690-MRL1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/25/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.47* | *ug/L* | *9.76* | | *97.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *12.9* | *ug/L* | *19.5* | | *66.2* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *15.0* | *ug/L* | *19.5* | | *77.1* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.1* | *ug/L* | *9.76* | | *114* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *17.9* | *ug/L* | *19.5* | | *92.0* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.97* | *ug/L* | *9.76* | | *81.7* | *51.9-147* | | |
| **MDL SV (BFB3690-MRL2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 0.834 | J1 | 0.555 | ug/L | 0.493 | | 169 | 50-150 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 0.375 | J | 0.555 | ug/L | 0.493 | | 75.9 | 50-150 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 0.323 | J | 0.555 | ug/L | 0.493 | | 65.4 | 50-150 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 0.296 | J | 0.555 | ug/L | 0.493 | | 60.0 | 50-150 | | |
| 2,4-Dichlorophenol | 1.13 | | 0.555 | ug/L | 0.987 | | 114 | 50-150 | | |
| 2,4-Dimethylphenol | 1.76 | J1 | 1.11 | ug/L | 0.987 | | 178 | 50-150 | | |
| 2,4-Dinitrophenol | <4.44 | J1, U | 4.44 | ug/L | 2.47 | | | 50-150 | | |
| Acenaphthene | 0.451 | J | 0.555 | ug/L | 0.493 | | 91.4 | 50-150 | | |
| Acenaphthylene | 0.536 | J | 0.555 | ug/L | 0.493 | | 109 | 50-150 | | |
| Anthracene | 0.517 | J | 0.555 | ug/L | 0.493 | | 105 | 50-150 | | |
| Benzo(a)anthracene | 0.461 | J | 0.555 | ug/L | 0.493 | | 93.5 | 50-150 | | |
| Benzo(a)pyrene | 0.542 | J | 0.555 | ug/L | 0.493 | | 110 | 50-150 | | |
| benzo(b&k)fluoranthene | 1.12 | | 1.11 | ug/L | 0.987 | | 113 | 50-150 | | |
| Benzo(g,h,i)perylene | 0.486 | J | 0.555 | ug/L | 0.493 | | 98.5 | 50-150 | | |
| Chrysene | 0.495 | J | 0.555 | ug/L | 0.493 | | 100 | 50-150 | | |
| Dibenzo(a,h)anthracene | 0.496 | J | 0.555 | ug/L | 0.493 | | 101 | 50-150 | | |
| Diethyl phthalate | 0.361 | J | 0.555 | ug/L | 0.493 | | 73.2 | 50-150 | | |
| Fluoranthene | <0.555 | J1, U | 0.555 | ug/L | 0.493 | | | 50-150 | | |
| Fluorene | 0.490 | J | 0.555 | ug/L | 0.493 | | 99.4 | 50-150 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFB3690-MRL2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| Hexachlorobenzene | 0.576 | | 0.555 | ug/L | 0.493 | | 117 | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | 0.636 | | 0.555 | ug/L | 0.493 | | 129 | 50-150 | | |
| Naphthalene | 0.501 | J | 0.555 | ug/L | 0.493 | | 102 | 50-150 | | |
| Pentachlorophenol | 1.43 | | 1.11 | ug/L | 0.987 | | 145 | 50-150 | | |
| Phenanthrene | 0.415 | J | 0.555 | ug/L | 0.493 | | 84.2 | 50-150 | | |
| Phenol, Total | 1.63 | J1 | 1.11 | ug/L | 0.987 | | 165 | 50-150 | | |
| Pyrene | 0.586 | | 0.555 | ug/L | 0.493 | | 119 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *11.8* | *ug/L* | *9.87* | | *120* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.9* | *ug/L* | *19.7* | | *116* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.7* | *ug/L* | *19.7* | | *99.6* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.3* | *ug/L* | *9.87* | | *104* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.2* | *ug/L* | *19.7* | | *102* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *12.7* | *ug/L* | *9.87* | | *129* | *51.9-147* | | |
| **MDL SV (BFB3690-MRL3)** | | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.2* | *ug/L* | *9.87* | | *104* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.6* | *ug/L* | *19.7* | | *110* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.6* | *ug/L* | *19.7* | | *89.1* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.6* | *ug/L* | *9.87* | | *128* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.1* | *ug/L* | *19.7* | | *137* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.89* | *ug/L* | *9.87* | | *100* | *51.9-147* | | |
| **Matrix Spike (BFB3690-MS1)** | | **Source: 22B3212-01** | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 29.1 | | 2.16 | ug/L | 38.5 | <2.16 | 75.6 | 35.3-142 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 31.2 | | 2.16 | ug/L | 38.5 | <2.16 | 81.0 | 31.4-142 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 27.0 | | 2.16 | ug/L | 38.5 | <2.16 | 70.3 | 30.5-135 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 26.8 | | 2.16 | ug/L | 38.5 | <2.16 | 69.6 | 37.2-133 | | |
| 2,4-Dichlorophenol | 109 | | 2.16 | ug/L | 76.9 | <2.16 | 142 | 42.7-158 | | |
| 2,4-Dimethylphenol | 79.4 | | 4.33 | ug/L | 76.9 | <4.33 | 103 | 38.4-170 | | |
| 2,4-Dinitrophenol | 221 | | 17.3 | ug/L | 192 | <17.3 | 115 | 60-140 | | |
| Acenaphthene | 35.0 | | 2.16 | ug/L | 38.5 | <2.16 | 91.0 | 47.3-149 | | |
| Acenaphthylene | 34.3 | | 2.16 | ug/L | 38.5 | <2.16 | 89.1 | 56.5-173 | | |
| Anthracene | 33.7 | | 2.16 | ug/L | 38.5 | <2.16 | 87.5 | 49.7-160 | | |
| Benzo(a)anthracene | 33.8 | | 2.16 | ug/L | 38.5 | <2.16 | 87.8 | 41.7-151 | | |
| Benzo(a)pyrene | 36.5 | | 2.16 | ug/L | 38.5 | <2.16 | 94.9 | 45.4-133 | | |
| benzo(b&k)fluoranthene | 72.9 | | 4.33 | ug/L | 76.9 | <4.33 | 94.7 | 55.3-137 | | |
| Benzo(g,h,i)perylene | 35.0 | | 2.16 | ug/L | 38.5 | <2.16 | 91.1 | 37.9-152 | | |
| Chrysene | 36.3 | | 2.16 | ug/L | 38.5 | <2.16 | 94.4 | 51-147 | | |
| Dibenzo(a,h)anthracene | 34.4 | | 2.16 | ug/L | 38.5 | <2.16 | 89.3 | 27.5-156 | | |
| Diethyl phthalate | 36.8 | | 2.16 | ug/L | 38.5 | <2.16 | 95.8 | 53.4-146 | | |
| Fluoranthene | 34.1 | | 2.16 | ug/L | 38.5 | <2.16 | 88.6 | 45.3-156 | | |
| Fluorene | 40.4 | | 2.16 | ug/L | 38.5 | <2.16 | 105 | 56.3-145 | | |
| Hexachlorobenzene | 38.7 | | 2.16 | ug/L | 38.5 | <2.16 | 101 | 56.1-137 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3690-MS1)** | **Source: 22B3212-01** | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| Indeno(1,2,3-cd) pyrene | 36.2 | | 2.16 | ug/L | 38.5 | <2.16 | 94.2 | 33.4-153 | | |
| Naphthalene | 40.5 | | 2.16 | ug/L | 38.5 | <2.16 | 105 | 45.1-153 | | |
| Pentachlorophenol | 91.6 | | 4.33 | ug/L | 76.9 | <4.33 | 119 | 42.2-151 | | |
| Phenanthrene | 34.3 | | 2.16 | ug/L | 38.5 | <2.16 | 89.2 | 45.3-165 | | |
| Phenol, Total | 98.5 | | 4.33 | ug/L | 76.9 | <4.33 | 128 | 39.8-164 | | |
| Pyrene | 37.8 | | 2.16 | ug/L | 38.5 | <2.16 | 98.4 | 46.3-149 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *51.1* | *ug/L* | *38.5* | | *133* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *86.3* | *ug/L* | *76.9* | | *112* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *109* | *ug/L* | *76.9* | | *142* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *53.3* | *ug/L* | *38.5* | | *139* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *95.6* | *ug/L* | *76.9* | | *124* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *44.6* | *ug/L* | *38.5* | | *116* | *51.9-147* | | |
| **Matrix Spike (BFB3690-MS2)** | **Source: 22B3212-01RE1** | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *38.9* | *ug/L* | *38.5* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *85.6* | *ug/L* | *76.9* | | *111* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *97.7* | *ug/L* | *76.9* | | *127* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *47.3* | *ug/L* | *38.5* | | *123* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *102* | *ug/L* | *76.9* | | *133* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *37.6* | *ug/L* | *38.5* | | *97.6* | *51.9-147* | | |
| **Matrix Spike Dup (BFB3690-MSD1)** | **Source: 22B3212-01** | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 31.6 | | 2.21 | ug/L | 39.2 | <2.21 | 80.6 | 35.3-142 | 8.33 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 30.0 | | 2.21 | ug/L | 39.2 | <2.21 | 76.5 | 31.4-142 | 3.76 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 28.5 | | 2.21 | ug/L | 39.2 | <2.21 | 72.7 | 30.5-135 | 5.28 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 27.4 | | 2.21 | ug/L | 39.2 | <2.21 | 70.0 | 37.2-133 | 2.52 | 40 |
| 2,4-Dichlorophenol | 144 | J1 | 2.21 | ug/L | 78.4 | <2.21 | 184 | 42.7-158 | 27.6 | 40 |
| 2,4-Dimethylphenol | 88.5 | | 4.41 | ug/L | 78.4 | <4.41 | 113 | 38.4-170 | 10.8 | 40 |
| 2,4-Dinitrophenol | 230 | | 17.6 | ug/L | 196 | <17.6 | 117 | 60-140 | 3.74 | 40 |
| Acenaphthene | 35.2 | | 2.21 | ug/L | 39.2 | <2.21 | 89.7 | 47.3-149 | 0.489 | 40 |
| Acenaphthylene | 33.7 | | 2.21 | ug/L | 39.2 | <2.21 | 85.9 | 56.5-173 | 1.70 | 40 |
| Anthracene | 37.6 | | 2.21 | ug/L | 39.2 | <2.21 | 96.0 | 49.7-160 | 11.1 | 40 |
| Benzo(a)anthracene | 29.7 | | 2.21 | ug/L | 39.2 | <2.21 | 75.7 | 41.7-151 | 12.9 | 40 |
| Benzo(a)pyrene | 36.0 | | 2.21 | ug/L | 39.2 | <2.21 | 91.8 | 45.4-133 | 1.38 | 40 |
| benzo(b&k)fluoranthene | 73.7 | | 4.41 | ug/L | 78.4 | <4.41 | 93.9 | 55.3-137 | 1.10 | 40 |
| Benzo(g,h,i)perylene | 38.4 | | 2.21 | ug/L | 39.2 | <2.21 | 97.8 | 37.9-152 | 9.07 | 40 |
| Chrysene | 39.7 | | 2.21 | ug/L | 39.2 | <2.21 | 101 | 51-147 | 8.99 | 40 |
| Dibenzo(a,h)anthracene | 36.5 | | 2.21 | ug/L | 39.2 | <2.21 | 93.1 | 27.5-156 | 6.02 | 40 |
| Diethyl phthalate | 37.0 | | 2.21 | ug/L | 39.2 | <2.21 | 94.3 | 53.4-146 | 0.362 | 40 |
| Fluoranthene | 39.2 | | 2.21 | ug/L | 39.2 | <2.21 | 100 | 45.3-156 | 14.0 | 40 |
| Fluorene | 39.5 | | 2.21 | ug/L | 39.2 | <2.21 | 101 | 56.3-145 | 2.25 | 40 |
| Hexachlorobenzene | 34.7 | | 2.21 | ug/L | 39.2 | <2.21 | 88.4 | 56.1-137 | 10.9 | 40 |
| Indeno(1,2,3-cd) pyrene | 38.5 | | 2.21 | ug/L | 39.2 | <2.21 | 98.3 | 33.4-153 | 6.24 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3690 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFB3690-MSD1)** | **Source: 22B3212-01** | | | | Prepared: 2/28/2022 Analyzed: 3/4/2022 | | | | | |
| Naphthalene | 39.1 | | 2.21 | ug/L | 39.2 | <2.21 | 99.6 | 45.1-153 | 3.55 | 40 |
| Pentachlorophenol | 92.2 | | 4.41 | ug/L | 78.4 | <4.41 | 118 | 42.2-151 | 0.633 | 40 |
| Phenanthrene | 33.7 | | 2.21 | ug/L | 39.2 | <2.21 | 85.9 | 45.3-165 | 1.81 | 40 |
| Phenol, Total | 100 | | 4.41 | ug/L | 78.4 | <4.41 | 128 | 39.8-164 | 1.91 | 40 |
| Pyrene | 38.3 | | 2.21 | ug/L | 39.2 | <2.21 | 97.6 | 46.3-149 | 1.20 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *53.7* | *ug/L* | *39.2* | | *137* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *92.9* | *ug/L* | *78.4* | | *118* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *102* | *ug/L* | *78.4* | | *130* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *46.9* | *ug/L* | *39.2* | | *120* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *87.8* | *ug/L* | *78.4* | | *112* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *45.9* | *ug/L* | *39.2* | | *117* | *51.9-147* | | |
| **Matrix Spike Dup (BFB3690-MSD2)** | **Source: 22B3212-01RE1** | | | | Prepared: 2/28/2022 Analyzed: 3/23/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *42.9* | *ug/L* | *39.2* | | *109* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *88.8* | *ug/L* | *78.4* | | *113* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *88.4* | *ug/L* | *78.4* | | *113* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *47.6* | *ug/L* | *39.2* | | *121* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *112* | *ug/L* | *78.4* | | *143* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *37.9* | *ug/L* | *39.2* | | *96.7* | *51.9-147* | | |
| ***Batch: BFC1100 - SW-3511*** | | | | | | | | | | |
| **Blank (BFC1100-BLK2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.559 | U | 0.559 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.559 | U | 0.559 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.559 | U | 0.559 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.559 | U | 0.559 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.559 | U | 0.559 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.47 | U | 4.47 | ug/L | | | | | | |
| Acenaphthene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Acenaphthylene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Anthracene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.559 | U | 0.559 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <1.12 | U | 1.12 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Chrysene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Diethyl phthalate | 0.312 | J | 0.559 | ug/L | | | | | | |
| Fluoranthene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Fluorene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Hexachlorobenzene | <0.559 | U | 0.559 | ug/L | | | | | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFC1100-BLK2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Naphthalene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Pentachlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| Phenanthrene | <0.559 | U | 0.559 | ug/L | | | | | | |
| Phenol, Total | <1.12 | U | 1.12 | ug/L | | | | | | |
| Pyrene | <0.559 | U | 0.559 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *11.0* | *ug/L* | *9.94* | | *111* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *25.2* | *ug/L* | *19.9* | | *127* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *22.9* | *ug/L* | *19.9* | | *115* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.2* | *ug/L* | *9.94* | | *123* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.5* | *ug/L* | *19.9* | | *118* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *13.0* | *ug/L* | *9.94* | | *131* | *51.9-147* | | |
| **LCS Benz (BFC1100-BS1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/31/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.8* | *ug/L* | *9.94* | | *109* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.5* | *ug/L* | *19.9* | | *108* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.9* | *ug/L* | *19.9* | | *94.9* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.3* | *ug/L* | *9.94* | | *124* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *19.8* | *ug/L* | *19.9* | | *99.5* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.20* | *ug/L* | *9.94* | | *92.5* | *51.9-147* | | |
| **LCS (BFC1100-BS2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 8.12 | | 0.561 | ug/L | 9.97 | | 81.4 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.06 | | 0.561 | ug/L | 9.97 | | 80.8 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 7.11 | | 0.561 | ug/L | 9.97 | | 71.3 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.15 | | 0.561 | ug/L | 9.97 | | 71.7 | 60-140 | | |
| 2,4-Dichlorophenol | 23.2 | | 0.561 | ug/L | 19.9 | | 116 | 60-140 | | |
| 2,4-Dimethylphenol | 21.4 | | 1.12 | ug/L | 19.9 | | 107 | 35.9-153 | | |
| 2,4-Dinitrophenol | 41.3 | | 4.49 | ug/L | 49.9 | | 82.8 | 60-140 | | |
| Acenaphthene | 8.69 | | 0.561 | ug/L | 9.97 | | 87.1 | 60-140 | | |
| Acenaphthylene | 7.69 | | 0.561 | ug/L | 9.97 | | 77.1 | 60-140 | | |
| Anthracene | 8.90 | | 0.561 | ug/L | 9.97 | | 89.3 | 60-140 | | |
| Benzo(a)anthracene | 8.02 | | 0.561 | ug/L | 9.97 | | 80.4 | 60-140 | | |
| Benzo(a)pyrene | 8.20 | | 0.561 | ug/L | 9.97 | | 82.2 | 60-140 | | |
| benzo(b&k)fluoranthene | 18.1 | | 1.12 | ug/L | 19.9 | | 90.9 | 60-140 | | |
| Benzo(g,h,i)perylene | 8.88 | | 0.561 | ug/L | 9.97 | | 89.0 | 60-140 | | |
| Chrysene | 8.85 | | 0.561 | ug/L | 9.97 | | 88.7 | 60-140 | | |
| Dibenzo(a,h)anthracene | 8.98 | | 0.561 | ug/L | 9.97 | | 90.1 | 60-140 | | |
| Diethyl phthalate | 9.69 | | 0.561 | ug/L | 9.97 | | 97.2 | 60-140 | | |
| Fluoranthene | 9.07 | | 0.561 | ug/L | 9.97 | | 91.0 | 60-140 | | |
| Fluorene | 9.60 | | 0.561 | ug/L | 9.97 | | 96.3 | 60-140 | | |
| Hexachlorobenzene | 8.25 | | 0.561 | ug/L | 9.97 | | 82.7 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 8.94 | | 0.561 | ug/L | 9.97 | | 89.7 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC1100-BS2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| Naphthalene | 8.41 | | 0.561 | ug/L | 9.97 | | 84.3 | 60-140 | | |
| Pentachlorophenol | 20.4 | | 1.12 | ug/L | 19.9 | | 102 | 36.8-149 | | |
| Phenanthrene | 8.66 | | 0.561 | ug/L | 9.97 | | 86.9 | 60-140 | | |
| Phenol, Total | 22.0 | | 1.12 | ug/L | 19.9 | | 111 | 60-140 | | |
| Pyrene | 9.01 | | 0.561 | ug/L | 9.97 | | 90.4 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.1* | *ug/L* | *9.97* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.1* | *ug/L* | *19.9* | | *111* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.6* | *ug/L* | *19.9* | | *103* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.0* | *ug/L* | *9.97* | | *111* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.0* | *ug/L* | *19.9* | | *115* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.4* | *ug/L* | *9.97* | | *105* | *51.9-147* | | |
| **LCS Benz Dup (BFC1100-BSD1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/31/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *7.73* | *ug/L* | *9.90* | | *78.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.0* | *ug/L* | *19.8* | | *106* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.2* | *ug/L* | *19.8* | | *96.8* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.7* | *ug/L* | *9.90* | | *118* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.7* | *ug/L* | *19.8* | | *94.2* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.79* | *ug/L* | *9.90* | | *78.7* | *51.9-147* | | |
| **LCS Dup (BFC1100-BSD2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.66 | | 0.557 | ug/L | 9.91 | | 77.3 | 60-140 | 5.82 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 5.27 | J1 | 0.557 | ug/L | 9.91 | | 53.2 | 60-140 | 41.8 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.39 | | 0.557 | ug/L | 9.91 | | 64.4 | 60-140 | 10.7 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.11 | | 0.557 | ug/L | 9.91 | | 71.7 | 60-140 | 0.613 | 40 |
| 2,4-Dichlorophenol | 23.3 | | 0.557 | ug/L | 19.8 | | 118 | 60-140 | 0.490 | 40 |
| 2,4-Dimethylphenol | 21.3 | | 1.11 | ug/L | 19.8 | | 108 | 35.9-153 | 0.355 | 40 |
| 2,4-Dinitrophenol | 39.0 | | 4.46 | ug/L | 49.6 | | 78.7 | 60-140 | 5.70 | 40 |
| Acenaphthene | 8.30 | | 0.557 | ug/L | 9.91 | | 83.7 | 60-140 | 4.55 | 40 |
| Acenaphthylene | 7.45 | | 0.557 | ug/L | 9.91 | | 75.2 | 60-140 | 3.14 | 40 |
| Anthracene | 8.41 | | 0.557 | ug/L | 9.91 | | 84.9 | 60-140 | 5.63 | 40 |
| Benzo(a)anthracene | 7.56 | | 0.557 | ug/L | 9.91 | | 76.3 | 60-140 | 5.89 | 40 |
| Benzo(a)pyrene | 7.94 | | 0.557 | ug/L | 9.91 | | 80.1 | 60-140 | 3.15 | 40 |
| benzo(b&k)fluoranthene | 17.9 | | 1.11 | ug/L | 19.8 | | 90.1 | 60-140 | 1.52 | 40 |
| Benzo(g,h,i)perylene | 8.65 | | 0.557 | ug/L | 9.91 | | 87.3 | 60-140 | 2.60 | 40 |
| Chrysene | 8.66 | | 0.557 | ug/L | 9.91 | | 87.4 | 60-140 | 2.12 | 40 |
| Dibenzo(a,h)anthracene | 8.65 | | 0.557 | ug/L | 9.91 | | 87.3 | 60-140 | 3.79 | 40 |
| Diethyl phthalate | 7.70 | | 0.557 | ug/L | 9.91 | | 77.7 | 60-140 | 22.9 | 40 |
| Fluoranthene | 8.49 | | 0.557 | ug/L | 9.91 | | 85.6 | 60-140 | 6.67 | 40 |
| Fluorene | 8.78 | | 0.557 | ug/L | 9.91 | | 88.6 | 60-140 | 9.00 | 40 |
| Hexachlorobenzene | 8.08 | | 0.557 | ug/L | 9.91 | | 81.5 | 60-140 | 2.06 | 40 |
| Indeno(1,2,3-cd) pyrene | 8.63 | | 0.557 | ug/L | 9.91 | | 87.1 | 60-140 | 3.55 | 40 |
| Naphthalene | 8.13 | | 0.557 | ug/L | 9.91 | | 82.0 | 60-140 | 3.34 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC1100-BSD2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| Pentachlorophenol | 17.1 | | 1.11 | ug/L | 19.8 | | 86.2 | 36.8-149 | 17.8 | 40 |
| Phenanthrene | 7.97 | | 0.557 | ug/L | 9.91 | | 80.4 | 60-140 | 8.33 | 40 |
| Phenol, Total | 25.9 | | 1.11 | ug/L | 19.8 | | 131 | 60-140 | 16.0 | 40 |
| Pyrene | 8.54 | | 0.557 | ug/L | 9.91 | | 86.2 | 60-140 | 5.43 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.0* | *ug/L* | *9.91* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.6* | *ug/L* | *19.8* | | *104* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.1* | *ug/L* | *19.8* | | *91.5* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.5* | *ug/L* | *9.91* | | *106* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *26.9* | *ug/L* | *19.8* | | *135* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.0* | *ug/L* | *9.91* | | *101* | *51.9-147* | | |
| **BFC0552-BLK1 (BFC1100-LBK1)** | | | | | Prepared: 3/8/2022 Analyzed: 4/1/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.88* | *ug/L* | *9.90* | | *99.8* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *17.1* | *ug/L* | *19.8* | | *86.6* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *9.57* | *ug/L* | *19.8* | | *48.3* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.8* | *ug/L* | *9.90* | | *119* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.3* | *ug/L* | *19.8* | | *92.5* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.84* | *ug/L* | *9.90* | | *79.1* | *51.9-147* | | |
| **BFC0552-BLK1 (BFC1100-LBK2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.557 | U | 0.557 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.557 | U | 0.557 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.557 | U | 0.557 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.557 | U | 0.557 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.557 | U | 0.557 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.46 | U | 4.46 | ug/L | | | | | | |
| Acenaphthene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Acenaphthylene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Anthracene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.557 | U | 0.557 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <1.11 | U | 1.11 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Chrysene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Diethyl phthalate | 1.63 | | 0.557 | ug/L | | | | | | |
| Fluoranthene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Fluorene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Hexachlorobenzene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Naphthalene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Pentachlorophenol | <1.11 | U | 1.11 | ug/L | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFC0552-BLK1 (BFC1100-LBK2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/12/2022 | | | | | |
| Phenanthrene | <0.557 | U | 0.557 | ug/L | | | | | | |
| Phenol, Total | 0.864 | J | 1.11 | ug/L | | | | | | |
| Pyrene | <0.557 | U | 0.557 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.5* | *ug/L* | *9.90* | | *106* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *26.0* | *ug/L* | *19.8* | | *131* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.6* | *ug/L* | *19.8* | | *104* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.9* | *ug/L* | *9.90* | | *120* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *30.6* | *ug/L* | *19.8* | | *155* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *11.8* | *ug/L* | *9.90* | | *119* | *51.9-147* | | |
| **MRL Benz Check (BFC1100-MRL1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/31/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.5* | *ug/L* | *9.86* | | *147* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *19.8* | *ug/L* | *19.7* | | *100* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *24.3* | *ug/L* | *19.7* | | *123* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.6* | *ug/L* | *9.86* | | *107* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.2* | *ug/L* | *19.7* | | *92.2* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.7* | *ug/L* | *9.86* | | *109* | *51.9-147* | | |
| **MRL Check (BFC1100-MRL2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 0.411 | J | 0.560 | ug/L | 0.498 | | 82.7 | 50-150 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 0.415 | J | 0.560 | ug/L | 0.498 | | 83.3 | 50-150 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 0.334 | J | 0.560 | ug/L | 0.498 | | 67.1 | 50-150 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 0.358 | J | 0.560 | ug/L | 0.498 | | 71.9 | 50-150 | | |
| 2,4-Dichlorophenol | 1.03 | | 0.560 | ug/L | 0.995 | | 104 | 50-150 | | |
| 2,4-Dimethylphenol | 1.12 | | 1.12 | ug/L | 0.995 | | 113 | 50-150 | | |
| 2,4-Dinitrophenol | <4.48 | U | 4.48 | ug/L | 2.49 | | | 50-150 | | |
| Acenaphthene | 0.431 | J | 0.560 | ug/L | 0.498 | | 86.6 | 50-150 | | |
| Acenaphthylene | 0.333 | J | 0.560 | ug/L | 0.498 | | 66.9 | 50-150 | | |
| Anthracene | 0.461 | J | 0.560 | ug/L | 0.498 | | 92.7 | 50-150 | | |
| Benzo(a)anthracene | 0.412 | J | 0.560 | ug/L | 0.498 | | 82.9 | 50-150 | | |
| Benzo(a)pyrene | 0.421 | J | 0.560 | ug/L | 0.498 | | 84.6 | 50-150 | | |
| benzo(b&k)fluoranthene | 0.871 | J | 1.12 | ug/L | 0.995 | | 87.5 | 50-150 | | |
| Benzo(g,h,i)perylene | 0.438 | J | 0.560 | ug/L | 0.498 | | 88.0 | 50-150 | | |
| Chrysene | 0.502 | J | 0.560 | ug/L | 0.498 | | 101 | 50-150 | | |
| Dibenzo(a,h)anthracene | 0.377 | J | 0.560 | ug/L | 0.498 | | 75.8 | 50-150 | | |
| Diethyl phthalate | 0.704 | | 0.560 | ug/L | 0.498 | | 141 | 50-150 | | |
| Fluoranthene | 0.461 | J | 0.560 | ug/L | 0.498 | | 92.7 | 50-150 | | |
| Fluorene | 0.419 | J | 0.560 | ug/L | 0.498 | | 84.3 | 50-150 | | |
| Hexachlorobenzene | 0.417 | J | 0.560 | ug/L | 0.498 | | 83.7 | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | 0.385 | J | 0.560 | ug/L | 0.498 | | 77.3 | 50-150 | | |
| Naphthalene | 0.459 | J | 0.560 | ug/L | 0.498 | | 92.2 | 50-150 | | |
| Pentachlorophenol | 0.778 | J | 1.12 | ug/L | 0.995 | | 78.1 | 50-150 | | |
| Phenanthrene | 0.442 | J | 0.560 | ug/L | 0.498 | | 88.9 | 50-150 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MRL Check (BFC1100-MRL2)** | | | | | Prepared: 3/8/2022 Analyzed: 4/11/2022 | | | | | |
| Phenol, Total | 1.41 | | 1.12 | ug/L | 0.995 | | 141 | 50-150 | | |
| Pyrene | 0.472 | J | 0.560 | ug/L | 0.498 | | 94.8 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.82* | *ug/L* | *9.95* | | *98.7* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.5* | *ug/L* | *19.9* | | *113* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.4* | *ug/L* | *19.9* | | *102* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.5* | *ug/L* | *9.95* | | *105* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.0* | *ug/L* | *19.9* | | *110* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *11.6* | *ug/L* | *9.95* | | *117* | *51.9-147* | | |
| **Matrix Spike (BFC1100-MS1)** | | | **Source: 22A3944-18** | | Prepared: 3/8/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.52 | | 0.560 | ug/L | 9.95 | <0.560 | 75.6 | 35.3-142 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 7.55 | | 0.560 | ug/L | 9.95 | <0.560 | 75.9 | 31.4-142 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 5.49 | | 0.560 | ug/L | 9.95 | <0.560 | 55.1 | 30.5-135 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 6.43 | | 0.560 | ug/L | 9.95 | <0.560 | 64.7 | 37.2-133 | | |
| 2,4-Dichlorophenol | 22.4 | | 0.560 | ug/L | 19.9 | <0.560 | 113 | 42.7-158 | | |
| 2,4-Dimethylphenol | 20.8 | | 1.12 | ug/L | 19.9 | <1.12 | 104 | 38.4-170 | | |
| 2,4-Dinitrophenol | 43.9 | | 4.48 | ug/L | 49.8 | <4.48 | 88.2 | 60-140 | | |
| Acenaphthene | 8.20 | | 0.560 | ug/L | 9.95 | <0.560 | 82.4 | 47.3-149 | | |
| Acenaphthylene | 7.28 | | 0.560 | ug/L | 9.95 | <0.560 | 73.2 | 56.5-173 | | |
| Anthracene | 8.64 | | 0.560 | ug/L | 9.95 | <0.560 | 86.8 | 49.7-160 | | |
| Benzo(a)anthracene | 7.84 | | 0.560 | ug/L | 9.95 | <0.560 | 78.8 | 41.7-151 | | |
| Benzo(a)pyrene | 7.81 | | 0.560 | ug/L | 9.95 | <0.560 | 78.5 | 45.4-133 | | |
| benzo(b&k)fluoranthene | 17.1 | | 1.12 | ug/L | 19.9 | <1.12 | 86.1 | 55.3-137 | | |
| Benzo(g,h,i)perylene | 8.31 | | 0.560 | ug/L | 9.95 | <0.560 | 83.5 | 37.9-152 | | |
| Chrysene | 8.51 | | 0.560 | ug/L | 9.95 | <0.560 | 85.5 | 51-147 | | |
| Dibenzo(a,h)anthracene | 8.19 | | 0.560 | ug/L | 9.95 | <0.560 | 82.3 | 27.5-156 | | |
| Diethyl phthalate | 9.34 | | 0.560 | ug/L | 9.95 | 0.973 | 84.1 | 53.4-146 | | |
| Fluoranthene | 8.89 | | 0.560 | ug/L | 9.95 | <0.560 | 89.4 | 45.3-156 | | |
| Fluorene | 9.09 | | 0.560 | ug/L | 9.95 | <0.560 | 91.4 | 56.3-145 | | |
| Hexachlorobenzene | 7.75 | | 0.560 | ug/L | 9.95 | <0.560 | 77.9 | 56.1-137 | | |
| Indeno(1,2,3-cd) pyrene | 8.18 | | 0.560 | ug/L | 9.95 | <0.560 | 82.2 | 33.4-153 | | |
| Naphthalene | 7.86 | | 0.560 | ug/L | 9.95 | <0.560 | 79.0 | 45.1-153 | | |
| Pentachlorophenol | 20.3 | | 1.12 | ug/L | 19.9 | <1.12 | 102 | 42.2-151 | | |
| Phenanthrene | 8.32 | | 0.560 | ug/L | 9.95 | <0.560 | 83.6 | 45.3-165 | | |
| Phenol, Total | 23.6 | | 1.12 | ug/L | 19.9 | 0.921 | 114 | 39.8-164 | | |
| Pyrene | 8.83 | | 0.560 | ug/L | 9.95 | <0.560 | 88.7 | 46.3-149 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.69* | *ug/L* | *9.95* | | *97.4* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.3* | *ug/L* | *19.9* | | *107* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.0* | *ug/L* | *19.9* | | *100* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.4* | *ug/L* | *9.95* | | *105* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *24.5* | *ug/L* | *19.9* | | *123* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.73* | *ug/L* | *9.95* | | *97.8* | *51.9-147* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1100-MSD1)** | | **Source: 22A3944-18** | | | Prepared: 3/8/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 7.62 | | 0.559 | ug/L | 9.94 | <0.559 | 76.7 | 35.3-142 | 1.30 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 7.59 | | 0.559 | ug/L | 9.94 | <0.559 | 76.4 | 31.4-142 | 0.489 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.05 | | 0.559 | ug/L | 9.94 | <0.559 | 60.9 | 30.5-135 | 9.87 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 6.62 | | 0.559 | ug/L | 9.94 | <0.559 | 66.6 | 37.2-133 | 2.83 | 40 |
| 2,4-Dichlorophenol | 22.4 | | 0.559 | ug/L | 19.9 | <0.559 | 113 | 42.7-158 | 0.344 | 40 |
| 2,4-Dimethylphenol | 21.1 | | 1.12 | ug/L | 19.9 | <1.12 | 106 | 38.4-170 | 1.57 | 40 |
| 2,4-Dinitrophenol | 42.1 | | 4.47 | ug/L | 49.7 | <4.47 | 84.7 | 60-140 | 4.24 | 40 |
| Acenaphthene | 8.19 | | 0.559 | ug/L | 9.94 | <0.559 | 82.4 | 47.3-149 | 0.172 | 40 |
| Acenaphthylene | 7.39 | | 0.559 | ug/L | 9.94 | <0.559 | 74.4 | 56.5-173 | 1.58 | 40 |
| Anthracene | 8.57 | | 0.559 | ug/L | 9.94 | <0.559 | 86.3 | 49.7-160 | 0.778 | 40 |
| Benzo(a)anthracene | 7.69 | | 0.559 | ug/L | 9.94 | <0.559 | 77.4 | 41.7-151 | 1.99 | 40 |
| Benzo(a)pyrene | 7.66 | | 0.559 | ug/L | 9.94 | <0.559 | 77.1 | 45.4-133 | 1.96 | 40 |
| benzo(b&k)fluoranthene | 16.9 | | 1.12 | ug/L | 19.9 | <1.12 | 84.8 | 55.3-137 | 1.61 | 40 |
| Benzo(g,h,i)perylene | 8.09 | | 0.559 | ug/L | 9.94 | <0.559 | 81.4 | 37.9-152 | 2.63 | 40 |
| Chrysene | 8.45 | | 0.559 | ug/L | 9.94 | <0.559 | 85.1 | 51-147 | 0.698 | 40 |
| Dibenzo(a,h)anthracene | 7.95 | | 0.559 | ug/L | 9.94 | <0.559 | 80.0 | 27.5-156 | 2.95 | 40 |
| Diethyl phthalate | 9.02 | | 0.559 | ug/L | 9.94 | 0.973 | 81.0 | 53.4-146 | 3.46 | 40 |
| Fluoranthene | 8.93 | | 0.559 | ug/L | 9.94 | <0.559 | 89.9 | 45.3-156 | 0.463 | 40 |
| Fluorene | 8.84 | | 0.559 | ug/L | 9.94 | <0.559 | 89.0 | 56.3-145 | 2.82 | 40 |
| Hexachlorobenzene | 7.73 | | 0.559 | ug/L | 9.94 | <0.559 | 77.8 | 56.1-137 | 0.329 | 40 |
| Indeno(1,2,3-cd) pyrene | 8.00 | | 0.559 | ug/L | 9.94 | <0.559 | 80.5 | 33.4-153 | 2.21 | 40 |
| Naphthalene | 7.92 | | 0.559 | ug/L | 9.94 | <0.559 | 79.7 | 45.1-153 | 0.706 | 40 |
| Pentachlorophenol | 19.4 | | 1.12 | ug/L | 19.9 | <1.12 | 97.4 | 42.2-151 | 4.57 | 40 |
| Phenanthrene | 8.34 | | 0.559 | ug/L | 9.94 | <0.559 | 83.9 | 45.3-165 | 0.238 | 40 |
| Phenol, Total | 22.6 | | 1.12 | ug/L | 19.9 | 0.921 | 109 | 39.8-164 | 4.21 | 40 |
| Pyrene | 8.74 | | 0.559 | ug/L | 9.94 | <0.559 | 87.9 | 46.3-149 | 1.06 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.67* | *ug/L* | *9.94* | | *97.3* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.8* | *ug/L* | *19.9* | | *109* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.6* | *ug/L* | *19.9* | | *98.7* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.5* | *ug/L* | *9.94* | | *105* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.4* | *ug/L* | *19.9* | | *118* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.57* | *ug/L* | *9.94* | | *96.3* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1759 - SW-3511*** | | | | | | | | | | |
| **Blank (BFC1759-BLK1)** | | | | | Prepared: 3/11/2022 Analyzed: 4/1/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.7* | *ug/L* | *9.85* | | *109* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *18.6* | *ug/L* | *19.7* | | *94.3* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *12.8* | *ug/L* | *19.7* | | *65.1* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.6* | *ug/L* | *9.85* | | *118* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *15.3* | *ug/L* | *19.7* | | *77.4* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.06* | *ug/L* | *9.85* | | *92.0* | *51.9-147* | | |
| **Blank (BFC1759-BLK2)** | | | | | Prepared: 3/11/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.554 | U | 0.554 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.554 | U | 0.554 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.554 | U | 0.554 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.554 | U | 0.554 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.554 | U | 0.554 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.43 | U | 4.43 | ug/L | | | | | | |
| Acenaphthene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Acenaphthylene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Anthracene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.554 | U | 0.554 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <1.11 | U | 1.11 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Chrysene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Diethyl phthalate | <0.554 | U | 0.554 | ug/L | | | | | | |
| Fluoranthene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Fluorene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Hexachlorobenzene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Naphthalene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Pentachlorophenol | <1.11 | U | 1.11 | ug/L | | | | | | |
| Phenanthrene | <0.554 | U | 0.554 | ug/L | | | | | | |
| Phenol, Total | 0.672 | J | 1.11 | ug/L | | | | | | |
| Pyrene | <0.554 | U | 0.554 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.3* | *ug/L* | *9.85* | | *104* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *25.0* | *ug/L* | *19.7* | | *127* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.2* | *ug/L* | *19.7* | | *102* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.7* | *ug/L* | *9.85* | | *118* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.3* | *ug/L* | *19.7* | | *139* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *11.7* | *ug/L* | *9.85* | | *118* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1759 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC1759-BS1)** | | | | | Prepared: 3/11/2022 Analyzed: 4/1/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.5* | *ug/L* | *9.93* | | *105* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *13.7* | *ug/L* | *19.9* | | *68.8* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *11.8* | *ug/L* | *19.9* | | *59.6* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.3* | *ug/L* | *9.93* | | *114* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *17.9* | *ug/L* | *19.9* | | *90.0* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.65* | *ug/L* | *9.93* | | *77.1* | *51.9-147* | | |
| **LCS (BFC1759-BS2)** | | | | | Prepared: 3/11/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 9.12 | | 0.562 | ug/L | 9.98 | | 91.3 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.95 | | 0.562 | ug/L | 9.98 | | 89.6 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.09 | | 0.562 | ug/L | 9.98 | | 61.0 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.20 | | 0.562 | ug/L | 9.98 | | 72.1 | 60-140 | | |
| 2,4-Dichlorophenol | 23.5 | | 0.562 | ug/L | 20.0 | | 118 | 60-140 | | |
| 2,4-Dimethylphenol | 23.5 | | 1.12 | ug/L | 20.0 | | 118 | 35.9-153 | | |
| 2,4-Dinitrophenol | 38.1 | | 4.49 | ug/L | 49.9 | | 76.4 | 60-140 | | |
| Acenaphthene | 9.97 | | 0.562 | ug/L | 9.98 | | 99.8 | 60-140 | | |
| Acenaphthylene | 10.7 | | 0.562 | ug/L | 9.98 | | 107 | 60-140 | | |
| Anthracene | 10.1 | | 0.562 | ug/L | 9.98 | | 102 | 60-140 | | |
| Benzo(a)anthracene | 9.48 | | 0.562 | ug/L | 9.98 | | 95.0 | 60-140 | | |
| Benzo(a)pyrene | 10.5 | | 0.562 | ug/L | 9.98 | | 105 | 60-140 | | |
| benzo(b&k)fluoranthene | 20.0 | | 1.12 | ug/L | 20.0 | | 100 | 60-140 | | |
| Benzo(g,h,i)perylene | 9.51 | | 0.562 | ug/L | 9.98 | | 95.2 | 60-140 | | |
| Chrysene | 9.42 | | 0.562 | ug/L | 9.98 | | 94.3 | 60-140 | | |
| Dibenzo(a,h)anthracene | 9.65 | | 0.562 | ug/L | 9.98 | | 96.6 | 60-140 | | |
| Diethyl phthalate | 10.0 | | 0.562 | ug/L | 9.98 | | 100 | 60-140 | | |
| Fluoranthene | 9.87 | | 0.562 | ug/L | 9.98 | | 98.9 | 60-140 | | |
| Fluorene | 10.5 | | 0.562 | ug/L | 9.98 | | 105 | 60-140 | | |
| Hexachlorobenzene | 9.18 | | 0.562 | ug/L | 9.98 | | 92.0 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 9.81 | | 0.562 | ug/L | 9.98 | | 98.3 | 60-140 | | |
| Naphthalene | 9.94 | | 0.562 | ug/L | 9.98 | | 99.5 | 60-140 | | |
| Pentachlorophenol | 18.6 | | 1.12 | ug/L | 20.0 | | 93.3 | 36.8-149 | | |
| Phenanthrene | 9.70 | | 0.562 | ug/L | 9.98 | | 97.2 | 60-140 | | |
| Phenol, Total | 27.1 | | 1.12 | ug/L | 20.0 | | 136 | 60-140 | | |
| Pyrene | 9.96 | | 0.562 | ug/L | 9.98 | | 99.8 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.76* | *ug/L* | *9.98* | | *97.8* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.9* | *ug/L* | *20.0* | | *110* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.2* | *ug/L* | *20.0* | | *91.2* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.5* | *ug/L* | *9.98* | | *106* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *26.9* | *ug/L* | *20.0* | | *135* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.86* | *ug/L* | *9.98* | | *98.8* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1759 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC1759-BSD1)** | | | | | Prepared: 3/11/2022 Analyzed: 4/1/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.77* | *ug/L* | *9.98* | | *98.0* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *13.2* | *ug/L* | *20.0* | | *65.9* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *9.29* | *ug/L* | *20.0* | | *46.6* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.5* | *ug/L* | *9.98* | | *116* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *17.6* | *ug/L* | *20.0* | | *88.0* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.09* | *ug/L* | *9.98* | | *91.1* | *51.9-147* | | |
| **LCS Dup (BFC1759-BSD2)** | | | | | Prepared: 3/11/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 9.16 | | 0.560 | ug/L | 9.96 | | 92.0 | 60-140 | 0.514 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 10.3 | | 0.560 | ug/L | 9.96 | | 103 | 60-140 | 13.8 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 8.23 | | 0.560 | ug/L | 9.96 | | 82.7 | 60-140 | 29.9 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 8.37 | | 0.560 | ug/L | 9.96 | | 84.1 | 60-140 | 15.1 | 40 |
| 2,4-Dichlorophenol | 21.8 | | 0.560 | ug/L | 19.9 | | 109 | 60-140 | 7.45 | 40 |
| 2,4-Dimethylphenol | 22.5 | | 1.12 | ug/L | 19.9 | | 113 | 35.9-153 | 4.62 | 40 |
| 2,4-Dinitrophenol | 41.6 | | 4.48 | ug/L | 49.8 | | 83.6 | 60-140 | 8.75 | 40 |
| Acenaphthene | 9.77 | | 0.560 | ug/L | 9.96 | | 98.1 | 60-140 | 1.99 | 40 |
| Acenaphthylene | 10.4 | | 0.560 | ug/L | 9.96 | | 104 | 60-140 | 2.82 | 40 |
| Anthracene | 9.63 | | 0.560 | ug/L | 9.96 | | 96.7 | 60-140 | 5.25 | 40 |
| Benzo(a)anthracene | 9.16 | | 0.560 | ug/L | 9.96 | | 92.0 | 60-140 | 3.45 | 40 |
| Benzo(a)pyrene | 10.0 | | 0.560 | ug/L | 9.96 | | 100 | 60-140 | 4.95 | 40 |
| benzo(b&k)fluoranthene | 20.6 | | 1.12 | ug/L | 19.9 | | 104 | 60-140 | 3.23 | 40 |
| Benzo(g,h,i)perylene | 9.55 | | 0.560 | ug/L | 9.96 | | 95.9 | 60-140 | 0.409 | 40 |
| Chrysene | 9.15 | | 0.560 | ug/L | 9.96 | | 91.9 | 60-140 | 2.87 | 40 |
| Dibenzo(a,h)anthracene | 9.81 | | 0.560 | ug/L | 9.96 | | 98.5 | 60-140 | 1.69 | 40 |
| Diethyl phthalate | 10.2 | | 0.560 | ug/L | 9.96 | | 103 | 60-140 | 1.84 | 40 |
| Fluoranthene | 9.95 | | 0.560 | ug/L | 9.96 | | 99.9 | 60-140 | 0.805 | 40 |
| Fluorene | 10.3 | | 0.560 | ug/L | 9.96 | | 103 | 60-140 | 2.00 | 40 |
| Hexachlorobenzene | 9.18 | | 0.560 | ug/L | 9.96 | | 92.2 | 60-140 | 0.0335 | 40 |
| Indeno(1,2,3-cd) pyrene | 9.81 | | 0.560 | ug/L | 9.96 | | 98.5 | 60-140 | 0.00546 | 40 |
| Naphthalene | 10.0 | | 0.560 | ug/L | 9.96 | | 101 | 60-140 | 0.736 | 40 |
| Pentachlorophenol | 19.4 | | 1.12 | ug/L | 19.9 | | 97.6 | 36.8-149 | 4.27 | 40 |
| Phenanthrene | 9.33 | | 0.560 | ug/L | 9.96 | | 93.7 | 60-140 | 3.85 | 40 |
| Phenol, Total | 19.8 | | 1.12 | ug/L | 19.9 | | 99.2 | 60-140 | 31.4 | 40 |
| Pyrene | 9.98 | | 0.560 | ug/L | 9.96 | | 100 | 60-140 | 0.242 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.52* | *ug/L* | *9.96* | | *95.6* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.8* | *ug/L* | *19.9* | | *110* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.9* | *ug/L* | *19.9* | | *89.9* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.90* | *ug/L* | *9.96* | | *99.4* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.1* | *ug/L* | *19.9* | | *101* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.02* | *ug/L* | *9.96* | | *80.5* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1759 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFC1063-BLK1 (BFC1759-LBK1)** | | | | | Prepared: 3/11/2022 Analyzed: 4/2/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.04* | *ug/L* | *10.0* | | *90.4* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *18.6* | *ug/L* | *20.0* | | *93.2* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *16.6* | *ug/L* | *20.0* | | *83.2* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *13.7* | *ug/L* | *10.0* | | *137* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.7* | *ug/L* | *20.0* | | *93.3* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.17* | *ug/L* | *10.0* | | *81.7* | *51.9-147* | | |
| **BFC1063-BLK1 (BFC1759-LBK2)** | | | | | Prepared: 3/11/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | <0.562 | U | 0.562 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.50 | U | 4.50 | ug/L | | | | | | |
| Acenaphthene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Acenaphthylene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Anthracene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <1.12 | U | 1.12 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Chrysene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Diethyl phthalate | <0.562 | U | 0.562 | ug/L | | | | | | |
| Fluoranthene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Fluorene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Hexachlorobenzene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Naphthalene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Pentachlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| Phenanthrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Phenol, Total | 0.580 | J | 1.12 | ug/L | | | | | | |
| Pyrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *11.1* | *ug/L* | *10.0* | | *111* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *26.7* | *ug/L* | *20.0* | | *134* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.5* | *ug/L* | *20.0* | | *103* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.4* | *ug/L* | *10.0* | | *114* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *33.8* | *ug/L* | *20.0* | | *169* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.4* | *ug/L* | *10.0* | | *104* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1759 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL BENZ (BFC1759-MRL1)** | | | | | Prepared: 3/11/2022 Analyzed: 4/1/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *11.5* | *ug/L* | *9.82* | | *117* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *17.4* | *ug/L* | *19.6* | | *88.6* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *12.0* | *ug/L* | *19.6* | | *60.9* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.8* | *ug/L* | *9.82* | | *110* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *12.6* | *ug/L* | *19.6* | | *64.3* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.78* | *ug/L* | *9.82* | | *89.4* | *51.9-147* | | |
| **MDL SV (BFC1759-MRL2)** | | | | | Prepared: 3/11/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 0.464 | J | 0.556 | ug/L | 0.494 | | 93.9 | 50-150 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 0.509 | J | 0.556 | ug/L | 0.494 | | 103 | 50-150 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 0.334 | J | 0.556 | ug/L | 0.494 | | 67.6 | 50-150 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 0.417 | J | 0.556 | ug/L | 0.494 | | 84.5 | 50-150 | | |
| 2,4-Dichlorophenol | 1.09 | | 0.556 | ug/L | 0.988 | | 110 | 50-150 | | |
| 2,4-Dimethylphenol | 1.17 | | 1.11 | ug/L | 0.988 | | 119 | 50-150 | | |
| 2,4-Dinitrophenol | 4.15 | J | 4.45 | ug/L | 2.47 | | 168 | | | |
| Acenaphthene | 0.528 | J | 0.556 | ug/L | 0.494 | | 107 | 50-150 | | |
| Acenaphthylene | 0.512 | J | 0.556 | ug/L | 0.494 | | 104 | 50-150 | | |
| Anthracene | 0.531 | J | 0.556 | ug/L | 0.494 | | 108 | 50-150 | | |
| Benzo(a)anthracene | 0.512 | J | 0.556 | ug/L | 0.494 | | 104 | 50-150 | | |
| Benzo(a)pyrene | 0.541 | J | 0.556 | ug/L | 0.494 | | 109 | 50-150 | | |
| benzo(b&k)fluoranthene | 1.07 | J | 1.11 | ug/L | 0.988 | | 108 | 50-150 | | |
| Benzo(g,h,i)perylene | 0.478 | J | 0.556 | ug/L | 0.494 | | 96.8 | 50-150 | | |
| Chrysene | 0.550 | J | 0.556 | ug/L | 0.494 | | 111 | 50-150 | | |
| Dibenzo(a,h)anthracene | 0.438 | J | 0.556 | ug/L | 0.494 | | 88.6 | 50-150 | | |
| Diethyl phthalate | 0.544 | J | 0.556 | ug/L | 0.494 | | 110 | 50-150 | | |
| Fluoranthene | 0.497 | J | 0.556 | ug/L | 0.494 | | 101 | 50-150 | | |
| Fluorene | 0.536 | J | 0.556 | ug/L | 0.494 | | 109 | 50-150 | | |
| Hexachlorobenzene | 0.459 | J | 0.556 | ug/L | 0.494 | | 93.0 | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | 0.438 | J | 0.556 | ug/L | 0.494 | | 88.7 | 50-150 | | |
| Naphthalene | 0.555 | J | 0.556 | ug/L | 0.494 | | 112 | 50-150 | | |
| Pentachlorophenol | 0.823 | J | 1.11 | ug/L | 0.988 | | 83.3 | 50-150 | | |
| Phenanthrene | 0.496 | J | 0.556 | ug/L | 0.494 | | 100 | 50-150 | | |
| Phenol, Total | 2.05 | J1 | 1.11 | ug/L | 0.988 | | 207 | 50-150 | | |
| Pyrene | 0.522 | J | 0.556 | ug/L | 0.494 | | 106 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.59* | *ug/L* | *9.88* | | *97.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.1* | *ug/L* | *19.8* | | *117* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.9* | *ug/L* | *19.8* | | *90.5* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.9* | *ug/L* | *9.88* | | *110* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.6* | *ug/L* | *19.8* | | *140* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.6* | *ug/L* | *9.88* | | *107* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1759 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC1759-MS1)** | | **Source: 22B3342-08RE1** | | | Prepared: 3/11/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 9.41 | | 0.560 | ug/L | 9.95 | <0.560 | 94.5 | 35.3-142 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 10.4 | | 0.560 | ug/L | 9.95 | <0.560 | 104 | 31.4-142 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 7.15 | | 0.560 | ug/L | 9.95 | <0.560 | 71.9 | 30.5-135 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 8.56 | | 0.560 | ug/L | 9.95 | <0.560 | 86.0 | 37.2-133 | | |
| 2,4-Dichlorophenol | 24.6 | | 0.560 | ug/L | 19.9 | <0.560 | 123 | 42.7-158 | | |
| 2,4-Dimethylphenol | 26.2 | | 1.12 | ug/L | 19.9 | <1.12 | 131 | 38.4-170 | | |
| 2,4-Dinitrophenol | 43.0 | | 4.48 | ug/L | 49.8 | <4.48 | 86.4 | 60-140 | | |
| Acenaphthene | 10.7 | | 0.560 | ug/L | 9.95 | <0.560 | 107 | 47.3-149 | | |
| Acenaphthylene | 11.5 | | 0.560 | ug/L | 9.95 | <0.560 | 115 | 56.5-173 | | |
| Anthracene | 11.0 | | 0.560 | ug/L | 9.95 | <0.560 | 110 | 49.7-160 | | |
| Benzo(a)anthracene | 10.6 | | 0.560 | ug/L | 9.95 | <0.560 | 107 | 41.7-151 | | |
| Benzo(a)pyrene | 11.4 | | 0.560 | ug/L | 9.95 | <0.560 | 114 | 45.4-133 | | |
| benzo(b&k)fluoranthene | 23.1 | | 1.12 | ug/L | 19.9 | <1.12 | 116 | 55.3-137 | | |
| Benzo(g,h,i)perylene | 10.8 | | 0.560 | ug/L | 9.95 | <0.560 | 109 | 37.9-152 | | |
| Chrysene | 10.3 | | 0.560 | ug/L | 9.95 | <0.560 | 103 | 51-147 | | |
| Dibenzo(a,h)anthracene | 11.1 | | 0.560 | ug/L | 9.95 | <0.560 | 112 | 27.5-156 | | |
| Diethyl phthalate | 10.9 | | 0.560 | ug/L | 9.95 | <0.560 | 109 | 53.4-146 | | |
| Fluoranthene | 10.9 | | 0.560 | ug/L | 9.95 | <0.560 | 110 | 45.3-156 | | |
| Fluorene | 11.0 | | 0.560 | ug/L | 9.95 | <0.560 | 111 | 56.3-145 | | |
| Hexachlorobenzene | 9.91 | | 0.560 | ug/L | 9.95 | <0.560 | 99.6 | 56.1-137 | | |
| Indeno(1,2,3-cd) pyrene | 11.1 | | 0.560 | ug/L | 9.95 | <0.560 | 111 | 33.4-153 | | |
| Naphthalene | 10.5 | | 0.560 | ug/L | 9.95 | <0.560 | 105 | 45.1-153 | | |
| Pentachlorophenol | 20.5 | | 1.12 | ug/L | 19.9 | <1.12 | 103 | 42.2-151 | | |
| Phenanthrene | 10.6 | | 0.560 | ug/L | 9.95 | <0.560 | 107 | 45.3-165 | | |
| Phenol, Total | 26.3 | | 1.12 | ug/L | 19.9 | 0.571 | 129 | 39.8-164 | | |
| Pyrene | 10.7 | | 0.560 | ug/L | 9.95 | <0.560 | 108 | 46.3-149 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.5* | *ug/L* | *9.95* | | *106* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *24.0* | *ug/L* | *19.9* | | *121* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.3* | *ug/L* | *19.9* | | *102* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.9* | *ug/L* | *9.95* | | *110* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *26.6* | *ug/L* | *19.9* | | *133* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.32* | *ug/L* | *9.95* | | *93.7* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1759 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1759-MSD1)** | | **Source: 22B3342-08RE1** | | | Prepared: 3/11/2022 Analyzed: 4/12/2022 | | | | | |
| 1,2,4-Trichlorobenzene | 8.86 | | 0.558 | ug/L | 9.93 | <0.558 | 89.3 | 35.3-142 | 5.98 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 9.63 | | 0.558 | ug/L | 9.93 | <0.558 | 97.0 | 31.4-142 | 7.43 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 6.45 | | 0.558 | ug/L | 9.93 | <0.558 | 65.0 | 30.5-135 | 10.3 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 7.87 | | 0.558 | ug/L | 9.93 | <0.558 | 79.2 | 37.2-133 | 8.41 | 40 |
| 2,4-Dichlorophenol | 23.7 | | 0.558 | ug/L | 19.9 | <0.558 | 119 | 42.7-158 | 3.63 | 40 |
| 2,4-Dimethylphenol | 25.0 | | 1.12 | ug/L | 19.9 | <1.12 | 126 | 38.4-170 | 4.38 | 40 |
| 2,4-Dinitrophenol | 36.2 | | 4.47 | ug/L | 49.6 | <4.47 | 73.0 | 60-140 | 17.0 | 40 |
| Acenaphthene | 10.2 | | 0.558 | ug/L | 9.93 | <0.558 | 102 | 47.3-149 | 4.99 | 40 |
| Acenaphthylene | 10.8 | | 0.558 | ug/L | 9.93 | <0.558 | 109 | 56.5-173 | 5.66 | 40 |
| Anthracene | 10.8 | | 0.558 | ug/L | 9.93 | <0.558 | 109 | 49.7-160 | 1.71 | 40 |
| Benzo(a)anthracene | 9.94 | | 0.558 | ug/L | 9.93 | <0.558 | 100 | 41.7-151 | 6.55 | 40 |
| Benzo(a)pyrene | 11.1 | | 0.558 | ug/L | 9.93 | <0.558 | 111 | 45.4-133 | 2.68 | 40 |
| benzo(b&k)fluoranthene | 22.7 | | 1.12 | ug/L | 19.9 | <1.12 | 114 | 55.3-137 | 1.87 | 40 |
| Benzo(g,h,i)perylene | 10.7 | | 0.558 | ug/L | 9.93 | <0.558 | 108 | 37.9-152 | 1.28 | 40 |
| Chrysene | 10.0 | | 0.558 | ug/L | 9.93 | <0.558 | 101 | 51-147 | 2.52 | 40 |
| Dibenzo(a,h)anthracene | 10.5 | | 0.558 | ug/L | 9.93 | <0.558 | 106 | 27.5-156 | 6.13 | 40 |
| Diethyl phthalate | 9.73 | | 0.558 | ug/L | 9.93 | <0.558 | 98.0 | 53.4-146 | 11.0 | 40 |
| Fluoranthene | 11.1 | | 0.558 | ug/L | 9.93 | <0.558 | 111 | 45.3-156 | 1.30 | 40 |
| Fluorene | 10.2 | | 0.558 | ug/L | 9.93 | <0.558 | 102 | 56.3-145 | 8.08 | 40 |
| Hexachlorobenzene | 10.3 | | 0.558 | ug/L | 9.93 | <0.558 | 104 | 56.1-137 | 3.68 | 40 |
| Indeno(1,2,3-cd) pyrene | 10.6 | | 0.558 | ug/L | 9.93 | <0.558 | 107 | 33.4-153 | 3.91 | 40 |
| Naphthalene | 9.94 | | 0.558 | ug/L | 9.93 | <0.558 | 100 | 45.1-153 | 5.14 | 40 |
| Pentachlorophenol | 18.3 | | 1.12 | ug/L | 19.9 | <1.12 | 92.0 | 42.2-151 | 11.7 | 40 |
| Phenanthrene | 10.4 | | 0.558 | ug/L | 9.93 | <0.558 | 105 | 45.3-165 | 2.48 | 40 |
| Phenol, Total | 27.3 | | 1.12 | ug/L | 19.9 | 0.571 | 135 | 39.8-164 | 3.57 | 40 |
| Pyrene | 11.5 | | 0.558 | ug/L | 9.93 | <0.558 | 116 | 46.3-149 | 7.01 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.1* | *ug/L* | *9.93* | | *101* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.8* | *ug/L* | *19.9* | | *115* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.6* | *ug/L* | *19.9* | | *98.6* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.2* | *ug/L* | *9.93* | | *103* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.5* | *ug/L* | *19.9* | | *139* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.20* | *ug/L* | *9.93* | | *92.7* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3481 - TX 1005 ELUT*** | | | | | | | | | | |
| **Blank (BFB3481-BLK1)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.60 | U | 4.60 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *18.3* | *mg/L* | *30.7* | | *59.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.8* | *mg/L* | *30.7* | | *90.7* | *70-130* | | |
| **LCS (BFB3481-BS1)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | 26.0 | | 2.33 | mg/L | 31.1 | | 83.5 | 75-125 | | |
| >C12-C28 | 19.8 | J1 | 2.33 | mg/L | 31.1 | | 63.6 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 45.3 | J1 | 4.67 | mg/L | 62.2 | | 72.8 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *21.1* | *mg/L* | *31.1* | | *67.9* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.6* | *mg/L* | *31.1* | | *88.6* | *70-130* | | |
| **LCS Dup (BFB3481-BSD1)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | 24.9 | | 2.33 | mg/L | 31.0 | | 80.2 | 75-125 | 4.42 | 20 |
| >C12-C28 | 18.5 | J1 | 2.33 | mg/L | 31.0 | | 59.6 | 75-125 | 6.85 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 42.9 | J1 | 4.65 | mg/L | 62.0 | | 69.1 | 75-125 | 5.56 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *19.3* | *mg/L* | *31.0* | | *62.2* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.5* | *mg/L* | *31.0* | | *85.5* | *70-130* | | |
| **BFB1944-BLK1 (BFB3481-LBK1)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.61 | U | 4.61 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *19.8* | *mg/L* | *30.8* | | *64.3* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.6* | *mg/L* | *30.8* | | *86.4* | *70-130* | | |
| **BFB3010-BLK1 (BFB3481-LBK2)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.66 | U | 4.66 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *20.1* | *mg/L* | *31.0* | | *64.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.1* | *mg/L* | *31.0* | | *87.4* | *70-130* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3481 - TX 1005 ELUT (Continued)*** | | | | | | | | | | |
| **MDL (BFB3481-MRL1)** | | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | <2.38 | U | 2.38 | mg/L | 0.238 | | | | | |
| >C12-C28 | <2.38 | U | 2.38 | mg/L | 0.238 | | | | | |
| >C12-C35 | <2.38 | U | 2.38 | mg/L | | | | | | |
| >C28-C35 | <2.38 | U | 2.38 | mg/L | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.76 | U | 4.76 | mg/L | 0.476 | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *20.6* | *mg/L* | *31.7* | | *65.0* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.7* | *mg/L* | *31.7* | | *84.2* | *70-130* | | |
| **Matrix Spike (BFB3481-MS1)** | **Source: 22A3987-14** | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | 23.4 | | 2.23 | mg/L | 29.7 | <2.23 | 78.9 | 75-125 | | |
| >C12-C28 | 16.2 | J1 | 2.23 | mg/L | 29.7 | <2.23 | 54.6 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 39.0 | J1 | 4.45 | mg/L | 59.4 | <4.45 | 65.7 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *18.3* | *mg/L* | *29.7* | | *61.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *25.6* | *mg/L* | *29.7* | | *86.3* | *70-130* | | |
| **Matrix Spike Dup (BFB3481-MSD1)** | **Source: 22A3987-14** | | | | Prepared & Analyzed: 2/25/2022 | | | | | |
| C6-C12 | 24.6 | | 2.24 | mg/L | 29.8 | <2.24 | 82.4 | 75-125 | 4.71 | 20 |
| >C12-C28 | 19.9 | J1 | 2.24 | mg/L | 29.8 | <2.24 | 66.6 | 75-125 | 20.3 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 44.1 | J1 | 4.47 | mg/L | 59.6 | <4.47 | 73.9 | 75-125 | 12.2 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *20.1* | *mg/L* | *29.8* | | *67.4* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.7* | *mg/L* | *29.8* | | *89.5* | *70-130* | | |
| ***Batch: BFB3715 - SW-3511*** | | | | | | | | | | |
| **Blank (BFB3715-BLK1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| 4,4'-DDE | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| 4,4'-DDT | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Aldrin | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| delta-BHC | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Dieldrin | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endosulfan I | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endosulfan II | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endrin | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endrin aldehyde | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Endrin ketone | <0.00599 | U | 0.00599 | ug/L | | | | | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFB3715-BLK1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| gamma-Chlordane | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Heptachlor | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Methoxychlor | <0.00599 | U | 0.00599 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.300 | U | 0.300 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.139* | *ug/L* | *0.120* | | *116* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.135* | *ug/L* | *0.120* | | *113* | *60-140* | | |
| **LCS TOX (BFB3715-BS1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| 4,4'-DDE | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| 4,4'-DDT | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Aldrin | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Chlordane (tech.) | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| delta-BHC | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Dieldrin | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endosulfan I | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endosulfan II | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endosulfan sulfate | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endrin | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endrin aldehyde | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Endrin ketone | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| gamma-Chlordane | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Heptachlor | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Heptachlor epoxide | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Methoxychlor | <0.00594 | U | 0.00594 | ug/L | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 1.36 | | 0.297 | ug/L | 1.19 | | 115 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.151* | *ug/L* | *0.119* | | *127* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.133* | *ug/L* | *0.119* | | *112* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFB3715-BS2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | 0.118 | | 0.00599 | ug/L | 0.120 | | 98.4 | 60-140 | | |
| 4,4'-DDE | 0.103 | | 0.00599 | ug/L | 0.120 | | 85.6 | 60-140 | | |
| 4,4'-DDT | 0.104 | | 0.00599 | ug/L | 0.120 | | 86.7 | 60-140 | | |
| Aldrin | 0.101 | | 0.00599 | ug/L | 0.120 | | 84.0 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.129 | | 0.00599 | ug/L | 0.120 | | 108 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.117 | | 0.00599 | ug/L | 0.120 | | 97.7 | 60-140 | | |
| Chlordane (tech.) | 0.402 | | 0.00599 | ug/L | 0.479 | | 83.9 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0991 | | 0.00599 | ug/L | 0.120 | | 82.7 | 60-140 | | |
| delta-BHC | 0.108 | | 0.00599 | ug/L | 0.120 | | 90.4 | 60-140 | | |
| Dieldrin | 0.104 | | 0.00599 | ug/L | 0.120 | | 86.8 | 60-140 | | |
| Endosulfan I | 0.0891 | | 0.00599 | ug/L | 0.120 | | 74.3 | 60-140 | | |
| Endosulfan II | 0.101 | | 0.00599 | ug/L | 0.120 | | 84.0 | 60-140 | | |
| Endosulfan sulfate | 0.112 | | 0.00599 | ug/L | 0.120 | | 93.2 | 60-140 | | |
| Endrin | 0.0948 | | 0.00599 | ug/L | 0.120 | | 79.1 | 60-140 | | |
| Endrin aldehyde | 0.121 | | 0.00599 | ug/L | 0.120 | | 101 | 60-140 | | |
| Endrin ketone | 0.112 | | 0.00599 | ug/L | 0.120 | | 93.2 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.120 | | 0.00599 | ug/L | 0.120 | | 100 | 60-140 | | |
| gamma-Chlordane | 0.0980 | | 0.00599 | ug/L | 0.120 | | 81.8 | 60-140 | | |
| Heptachlor | 0.106 | | 0.00599 | ug/L | 0.120 | | 88.5 | 60-140 | | |
| Heptachlor epoxide | 0.0988 | | 0.00599 | ug/L | 0.120 | | 82.5 | 60-140 | | |
| Methoxychlor | 0.108 | | 0.00599 | ug/L | 0.120 | | 89.9 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.134* | *ug/L* | *0.120* | | *112* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.137* | *ug/L* | *0.120* | | *114* | *60-140* | | |
| **LCS Dup TOX (BFB3715-BSD1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Aldrin | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| delta-BHC | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Dieldrin | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Endosulfan I | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Endosulfan II | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Endrin | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Endrin aldehyde | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup TOX (BFB3715-BSD1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| Endrin ketone | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Heptachlor | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Methoxychlor | <0.00591 | U | 0.00591 | ug/L | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 1.18 | | 0.295 | ug/L | 1.18 | | 99.8 | 60-140 | 14.6 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.132* | *ug/L* | *0.118* | | *112* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.120* | *ug/L* | *0.118* | | *101* | *60-140* | | |
| **LCS Dup (BFB3715-BSD2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | 0.0990 | | 0.00592 | ug/L | 0.118 | | 83.7 | 60-140 | 17.4 | 40 |
| 4,4'-DDE | 0.105 | | 0.00592 | ug/L | 0.118 | | 88.8 | 60-140 | 2.44 | 40 |
| 4,4'-DDT | 0.110 | | 0.00592 | ug/L | 0.118 | | 92.9 | 60-140 | 5.62 | 40 |
| Aldrin | 0.107 | | 0.00592 | ug/L | 0.118 | | 90.1 | 60-140 | 5.71 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.134 | | 0.00592 | ug/L | 0.118 | | 113 | 60-140 | 3.97 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.121 | | 0.00592 | ug/L | 0.118 | | 102 | 60-140 | 3.21 | 40 |
| Chlordane (tech.) | 0.425 | | 0.00592 | ug/L | 0.473 | | 89.8 | 60-140 | 5.59 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.106 | | 0.00592 | ug/L | 0.118 | | 89.3 | 60-140 | 6.48 | 40 |
| delta-BHC | 0.115 | | 0.00592 | ug/L | 0.118 | | 96.8 | 60-140 | 5.69 | 40 |
| Dieldrin | 0.110 | | 0.00592 | ug/L | 0.118 | | 92.6 | 60-140 | 5.32 | 40 |
| Endosulfan I | 0.0962 | | 0.00592 | ug/L | 0.118 | | 81.3 | 60-140 | 7.75 | 40 |
| Endosulfan II | 0.102 | | 0.00592 | ug/L | 0.118 | | 86.3 | 60-140 | 1.43 | 40 |
| Endosulfan sulfate | 0.104 | | 0.00592 | ug/L | 0.118 | | 87.9 | 60-140 | 7.06 | 40 |
| Endrin | 0.0992 | | 0.00592 | ug/L | 0.118 | | 83.8 | 60-140 | 4.51 | 40 |
| Endrin aldehyde | 0.124 | | 0.00592 | ug/L | 0.118 | | 105 | 60-140 | 2.80 | 40 |
| Endrin ketone | 0.102 | | 0.00592 | ug/L | 0.118 | | 86.4 | 60-140 | 8.74 | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.124 | | 0.00592 | ug/L | 0.118 | | 105 | 60-140 | 3.34 | 40 |
| gamma-Chlordane | 0.103 | | 0.00592 | ug/L | 0.118 | | 87.4 | 60-140 | 5.40 | 40 |
| Heptachlor | 0.112 | | 0.00592 | ug/L | 0.118 | | 95.0 | 60-140 | 5.80 | 40 |
| Heptachlor epoxide | 0.104 | | 0.00592 | ug/L | 0.118 | | 87.5 | 60-140 | 4.66 | 40 |
| Methoxychlor | 0.116 | | 0.00592 | ug/L | 0.118 | | 98.3 | 60-140 | 7.65 | 40 |
| Toxaphene (Chlorinated Camphene) | <0.296 | U | 0.296 | ug/L | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.136* | *ug/L* | *0.118* | | *115* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.136* | *ug/L* | *0.118* | | *115* | *60-140* | | |

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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFB3010-BLK1 (BFB3715-LBK1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDE | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDT | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Aldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| delta-BHC | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Dieldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan I | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan II | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin aldehyde | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin ketone | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-Chlordane | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Heptachlor | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Methoxychlor | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | *S* | | *0.368* | *ug/L* | *0.120* | | *308* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.116* | *ug/L* | *0.120* | | *96.8* | *60-140* | | |
| **BFB3292-BLK1 (BFB3715-LBK3)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDE | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDT | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Aldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| delta-BHC | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Dieldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan I | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan II | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFB3292-BLK1 (BFB3715-LBK3)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| Endrin aldehyde | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin ketone | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-Chlordane | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Heptachlor | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Methoxychlor | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | *S* | | *0.288* | *ug/L* | *0.120* | | *240* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.125* | *ug/L* | *0.120* | | *105* | *60-140* | | |
| **MDL TOX (BFB3715-MRL1)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDE | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDT | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Aldrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| delta-BHC | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Dieldrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan I | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan II | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endrin aldehyde | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endrin ketone | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| gamma-Chlordane | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Heptachlor | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Methoxychlor | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | 0.359 | | 0.297 | ug/L | 0.297 | | 121 | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.143* | *ug/L* | *0.119* | | *120* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.127* | *ug/L* | *0.119* | | *107* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL (BFB3715-MRL2)** | | | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | 0.00921 | | 0.00599 | ug/L | 0.0120 | | 76.8 | | | |
| 4,4'-DDE | 0.0112 | | 0.00599 | ug/L | 0.0120 | | 93.3 | | | |
| 4,4'-DDT | 0.0108 | | 0.00599 | ug/L | 0.0120 | | 89.8 | | | |
| Aldrin | 0.0114 | | 0.00599 | ug/L | 0.0120 | | 94.8 | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0141 | | 0.00599 | ug/L | 0.0120 | | 118 | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0144 | | 0.00599 | ug/L | 0.0120 | | 120 | | | |
| Chlordane (tech.) | 0.0428 | | 0.00599 | ug/L | 0.0479 | | 89.3 | | | |
| cis-Chlordane (alpha-Chlordane) | 0.0122 | | 0.00599 | ug/L | 0.0120 | | 102 | | | |
| delta-BHC | 0.00542 | J | 0.00599 | ug/L | 0.0120 | | 45.2 | | | |
| Dieldrin | 0.0112 | | 0.00599 | ug/L | 0.0120 | | 93.7 | | | |
| Endosulfan I | 0.0111 | | 0.00599 | ug/L | 0.0120 | | 92.4 | | | |
| Endosulfan II | 0.0116 | | 0.00599 | ug/L | 0.0120 | | 97.2 | | | |
| Endosulfan sulfate | 0.0126 | | 0.00599 | ug/L | 0.0120 | | 105 | | | |
| Endrin | 0.0102 | | 0.00599 | ug/L | 0.0120 | | 85.4 | | | |
| Endrin aldehyde | 0.0142 | | 0.00599 | ug/L | 0.0120 | | 119 | | | |
| Endrin ketone | 0.0126 | | 0.00599 | ug/L | 0.0120 | | 105 | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0142 | | 0.00599 | ug/L | 0.0120 | | 118 | | | |
| gamma-Chlordane | 0.0109 | | 0.00599 | ug/L | 0.0120 | | 91.2 | | | |
| Heptachlor | 0.0102 | | 0.00599 | ug/L | 0.0120 | | 85.6 | | | |
| Heptachlor epoxide | 0.00941 | | 0.00599 | ug/L | 0.0120 | | 78.6 | | | |
| Methoxychlor | 0.00518 | J | 0.00599 | ug/L | 0.0120 | | 43.2 | | | |
| Toxaphene (Chlorinated Camphene) | <0.300 | U | 0.300 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.135* | *ug/L* | *0.120* | | *113* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.133* | *ug/L* | *0.120* | | *111* | *60-140* | | |
| **Matrix Spike (BFB3715-MS1)** | | **Source: 22B3212-01** | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | 0.778 | | 0.0293 | ug/L | 0.585 | <0.0293 | 133 | 60-140 | | |
| 4,4'-DDE | 0.572 | | 0.0293 | ug/L | 0.585 | <0.0293 | 97.7 | 60-140 | | |
| 4,4'-DDT | 0.598 | | 0.0293 | ug/L | 0.585 | <0.0293 | 102 | 60-140 | | |
| Aldrin | 0.588 | | 0.0293 | ug/L | 0.585 | <0.0293 | 101 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.956 | J1 | 0.0293 | ug/L | 0.585 | 0.0301 | 158 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.856 | J1 | 0.0293 | ug/L | 0.585 | <0.0293 | 146 | 60-140 | | |
| Chlordane (tech.) | 2.72 | | 0.0293 | ug/L | 2.34 | <0.0293 | 116 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.660 | | 0.0293 | ug/L | 0.585 | <0.0293 | 113 | 60-140 | | |
| delta-BHC | 0.818 | | 0.0293 | ug/L | 0.585 | <0.0293 | 140 | 60-140 | | |
| Dieldrin | 0.767 | | 0.0293 | ug/L | 0.585 | <0.0293 | 131 | 60-140 | | |
| Endosulfan I | 0.672 | | 0.0293 | ug/L | 0.585 | <0.0293 | 115 | 60-140 | | |
| Endosulfan II | 0.726 | | 0.0293 | ug/L | 0.585 | <0.0293 | 124 | 60-140 | | |
| Endosulfan sulfate | 0.849 | J1 | 0.0293 | ug/L | 0.585 | <0.0293 | 145 | 60-140 | | |
| Endrin | 0.695 | | 0.0293 | ug/L | 0.585 | <0.0293 | 119 | 60-140 | | |
| Endrin aldehyde | 0.881 | J1 | 0.0293 | ug/L | 0.585 | <0.0293 | 150 | 60-140 | | |

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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3715 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3715-MS1)** | | **Source: 22B3212-01** | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| Endrin ketone | 0.858 | J1 | 0.0293 | ug/L | 0.585 | <0.0293 | 147 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.887 | J1 | 0.0293 | ug/L | 0.585 | <0.0293 | 152 | 60-140 | | |
| gamma-Chlordane | 0.628 | | 0.0293 | ug/L | 0.585 | <0.0293 | 107 | 60-140 | | |
| Heptachlor | 0.706 | | 0.0293 | ug/L | 0.585 | <0.0293 | 121 | 60-140 | | |
| Heptachlor epoxide | 0.722 | | 0.0293 | ug/L | 0.585 | <0.0293 | 123 | 60-140 | | |
| Methoxychlor | 0.812 | | 0.0293 | ug/L | 0.585 | <0.0293 | 139 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.848* | *ug/L* | *0.585* | | *145* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.673* | *ug/L* | *0.585* | | *115* | *60-140* | | |
| **Matrix Spike Dup (BFB3715-MSD1)** | | **Source: 22B3212-01** | | | Prepared: 2/28/2022 Analyzed: 3/8/2022 | | | | | |
| 4,4'-DDD | 0.672 | | 0.0289 | ug/L | 0.579 | <0.0289 | 116 | 60-140 | 14.6 | 40 |
| 4,4'-DDE | 0.501 | | 0.0289 | ug/L | 0.579 | <0.0289 | 86.6 | 60-140 | 13.3 | 40 |
| 4,4'-DDT | 0.540 | | 0.0289 | ug/L | 0.579 | <0.0289 | 93.4 | 60-140 | 10.2 | 40 |
| Aldrin | 0.549 | | 0.0289 | ug/L | 0.579 | <0.0289 | 95.0 | 60-140 | 6.86 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.982 | J1 | 0.0289 | ug/L | 0.579 | 0.0301 | 165 | 60-140 | 2.69 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.875 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 151 | 60-140 | 2.12 | 40 |
| Chlordane (tech.) | 2.65 | | 0.0289 | ug/L | 2.31 | <0.0289 | 115 | 60-140 | 2.37 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.630 | | 0.0289 | ug/L | 0.579 | <0.0289 | 109 | 60-140 | 4.64 | 40 |
| delta-BHC | 0.853 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 147 | 60-140 | 4.16 | 40 |
| Dieldrin | 0.775 | | 0.0289 | ug/L | 0.579 | <0.0289 | 134 | 60-140 | 1.02 | 40 |
| Endosulfan I | 0.701 | | 0.0289 | ug/L | 0.579 | <0.0289 | 121 | 60-140 | 4.18 | 40 |
| Endosulfan II | 0.746 | | 0.0289 | ug/L | 0.579 | <0.0289 | 129 | 60-140 | 2.72 | 40 |
| Endosulfan sulfate | 0.871 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 151 | 60-140 | 2.60 | 40 |
| Endrin | 0.690 | | 0.0289 | ug/L | 0.579 | <0.0289 | 119 | 60-140 | 0.710 | 40 |
| Endrin aldehyde | 0.929 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 161 | 60-140 | 5.27 | 40 |
| Endrin ketone | 0.848 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 147 | 60-140 | 1.11 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.917 | J1 | 0.0289 | ug/L | 0.579 | <0.0289 | 158 | 60-140 | 3.28 | 40 |
| gamma-Chlordane | 0.585 | | 0.0289 | ug/L | 0.579 | <0.0289 | 101 | 60-140 | 7.14 | 40 |
| Heptachlor | 0.689 | | 0.0289 | ug/L | 0.579 | <0.0289 | 119 | 60-140 | 2.43 | 40 |
| Heptachlor epoxide | 0.748 | | 0.0289 | ug/L | 0.579 | <0.0289 | 129 | 60-140 | 3.60 | 40 |
| Methoxychlor | 0.809 | | 0.0289 | ug/L | 0.579 | <0.0289 | 140 | 60-140 | 0.421 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.888* | *ug/L* | *0.579* | | *153* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.686* | *ug/L* | *0.579* | | *119* | *60-140* | | |

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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0779 - SW-3511*** | | | | | | | | | | |
| **Blank (BFC0779-BLK1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| PCBs, Total | <0.119 | U | 0.119 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0969* | *ug/L* | *0.119* | | *81.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.108* | *ug/L* | *0.119* | | *90.7* | *60-140* | | |
| **LCS (BFC0779-BS1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.24 | | 0.119 | ug/L | 1.19 | | 104 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 1.32 | | 0.119 | ug/L | 1.19 | | 111 | 60-140 | | |
| PCBs, Total | 1.30 | | 0.119 | ug/L | 1.19 | | 109 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0823* | *ug/L* | *0.119* | | *69.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.104* | *ug/L* | *0.119* | | *87.0* | *60-140* | | |
| **LCS Dup (BFC0779-BSD1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.25 | | 0.120 | ug/L | 1.20 | | 104 | 60-140 | 0.892 | 40 |
| Aroclor-1260 (PCB-1260) | 1.34 | | 0.120 | ug/L | 1.20 | | 112 | 60-140 | 1.62 | 40 |
| PCBs, Total | 1.32 | | 0.120 | ug/L | 1.20 | | 110 | 60-140 | 1.47 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.116* | *ug/L* | *0.120* | | *96.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.120* | *ug/L* | *0.120* | | *100* | *60-140* | | |
| **BFB1944-LBK (BFC0779-LBK1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/9/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1221 (PCB-1221) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1232 (PCB-1232) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1242 (PCB-1242) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1248 (PCB-1248) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1254 (PCB-1254) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1260 (PCB-1260) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.105* | *ug/L* | *0.120* | | *87.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0443* | *ug/L* | *0.120* | | *36.9* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0779 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFB3010-LBK (BFC0779-LBK2)** | | | | | Prepared: 3/4/2022 Analyzed: 3/9/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1221 (PCB-1221) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1232 (PCB-1232) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1242 (PCB-1242) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1248 (PCB-1248) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1254 (PCB-1254) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1260 (PCB-1260) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.100* | *ug/L* | *0.120* | | *83.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0250* | *ug/L* | *0.120* | | *20.8* | *60-140* | | |
| **BFB3292-LBK (BFC0779-LBK3)** | | | | | Prepared: 3/4/2022 Analyzed: 3/9/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1221 (PCB-1221) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1232 (PCB-1232) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1242 (PCB-1242) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1248 (PCB-1248) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1254 (PCB-1254) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1260 (PCB-1260) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.106* | *ug/L* | *0.120* | | *88.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0337* | *ug/L* | *0.120* | | *28.1* | *60-140* | | |
| **BFC0552-LBK (BFC0779-LBK4)** | | | | | Prepared: 3/4/2022 Analyzed: 3/9/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1221 (PCB-1221) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1232 (PCB-1232) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1242 (PCB-1242) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1248 (PCB-1248) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1254 (PCB-1254) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| Aroclor-1260 (PCB-1260) | <0.0120 | U | 0.0120 | ug/L | | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.113* | *ug/L* | *0.120* | | *94.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0752* | *ug/L* | *0.120* | | *62.6* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0779 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL (BFC0779-MRL1)** | | | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 0.194 | | 0.119 | ug/L | 0.238 | | 81.3 | 50-150 | | |
| Aroclor-1221 (PCB-1221) | <0.119 | U | 0.119 | ug/L | | | | 50-150 | | |
| Aroclor-1232 (PCB-1232) | <0.119 | U | 0.119 | ug/L | | | | 50-150 | | |
| Aroclor-1242 (PCB-1242) | <0.119 | U | 0.119 | ug/L | | | | 50-150 | | |
| Aroclor-1248 (PCB-1248) | <0.119 | U | 0.119 | ug/L | | | | 50-150 | | |
| Aroclor-1254 (PCB-1254) | <0.119 | U | 0.119 | ug/L | | | | 50-150 | | |
| Aroclor-1260 (PCB-1260) | 0.280 | | 0.119 | ug/L | 0.238 | | 118 | 50-150 | | |
| PCBs, Total | 0.261 | | 0.119 | ug/L | 0.238 | | 110 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0979* | *ug/L* | *0.119* | | *82.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.108* | *ug/L* | *0.119* | | *90.3* | *60-140* | | |
| **Matrix Spike (BFC0779-MS1)** | | **Source: 22A3944-21** | | | Prepared: 3/4/2022 Analyzed: 3/8/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.22 | | 0.120 | ug/L | 1.20 | <0.120 | 102 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 1.21 | | 0.120 | ug/L | 1.20 | <0.120 | 101 | 60-140 | | |
| PCBs, Total | 1.21 | | 0.120 | ug/L | 1.20 | <0.120 | 101 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.104* | *ug/L* | *0.120* | | *86.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0939* | *ug/L* | *0.120* | | *78.3* | *60-140* | | |
| **Matrix Spike Dup (BFC0779-MSD1)** | | **Source: 22A3944-21** | | | Prepared: 3/4/2022 Analyzed: 3/9/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.25 | | 0.120 | ug/L | 1.20 | <0.120 | 104 | 60-140 | 2.74 | 40 |
| Aroclor-1260 (PCB-1260) | 1.19 | | 0.120 | ug/L | 1.20 | <0.120 | 98.9 | 60-140 | 2.29 | 40 |
| PCBs, Total | 1.20 | | 0.120 | ug/L | 1.20 | <0.120 | 100 | 60-140 | 1.15 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.104* | *ug/L* | *0.120* | | *86.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0996* | *ug/L* | *0.120* | | *83.0* | *60-140* | | |
| ***Batch: BFC1098 - TX 1005 ELUT*** | | | | | | | | | | |
| **Blank (BFC1098-BLK1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.59 | U | 4.59 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *18.7* | *mg/L* | *30.6* | | *61.1* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.4* | *mg/L* | *30.6* | | *89.5* | *70-130* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1098 - TX 1005 ELUT (Continued)*** | | | | | | | | | | |
| **Blank (BFC1098-BLK2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <9.18 | U | 9.18 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *24.6* | *mg/L* | *30.6* | | *80.3* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.7* | *mg/L* | *30.6* | | *87.2* | *70-130* | | |
| **LCS (BFC1098-BS1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 32.4 | | 2.39 | mg/L | 31.8 | | 102 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 53.0 | | 4.78 | mg/L | 63.7 | | 83.2 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *22.1* | *mg/L* | *31.8* | | *69.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *29.2* | *mg/L* | *31.8* | | *91.7* | *70-130* | | |
| **LCS (BFC1098-BS2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| C6-C12 | 31.3 | | 4.78 | mg/L | 31.8 | | 98.2 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 59.3 | | 9.55 | mg/L | 63.7 | | 93.1 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *27.9* | *mg/L* | *31.8* | | *87.6* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *28.8* | *mg/L* | *31.8* | | *90.3* | *70-130* | | |
| **LCS Dup (BFC1098-BSD1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 30.6 | | 2.38 | mg/L | 31.8 | | 96.3 | 75-125 | 5.75 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 49.1 | | 4.77 | mg/L | 63.6 | | 77.2 | 75-125 | 7.69 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *19.1* | *mg/L* | *31.8* | | *60.1* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *28.1* | *mg/L* | *31.8* | | *88.5* | *70-130* | | |
| **LCS Dup (BFC1098-BSD2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| C6-C12 | 32.8 | | 4.77 | mg/L | 31.8 | | 103 | 75-125 | 4.89 | 20 |
| >C12-C28 | 27.3 | | 4.77 | mg/L | 31.8 | | 85.9 | 75-125 | 1.77 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 61.4 | | 9.54 | mg/L | 63.6 | | 96.6 | 75-125 | 3.59 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *25.6* | *mg/L* | *31.8* | | *80.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *29.0* | *mg/L* | *31.8* | | *91.3* | *70-130* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1098 - TX 1005 ELUT (Continued)*** | | | | | | | | | | |
| **BFC0552-LBK (BFC1098-LBK1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.61 | U | 4.61 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *19.1* | *mg/L* | *30.7* | | *62.3* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.0* | *mg/L* | *30.7* | | *84.7* | *70-130* | | |
| **MDL (BFC1098-MRL1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 0.000954 | J | 2.38 | mg/L | 0.238 | | 0.400 | | | |
| >C12-C35 | <2.38 | U | 2.38 | mg/L | | | | | | |
| >C28-C35 | <2.38 | U | 2.38 | mg/L | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | <4.77 | U | 4.77 | mg/L | 0.477 | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *22.2* | *mg/L* | *31.8* | | *69.9* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *28.2* | *mg/L* | *31.8* | | *88.8* | *70-130* | | |
| **MDL (BFC1098-MRL2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| C6-C12 | <4.77 | U | 4.77 | mg/L | 0.238 | | | | | |
| >C12-C28 | 0.418 | J | 4.77 | mg/L | 0.238 | | 175 | | | |
| >C12-C35 | 0.418 | J | 4.77 | mg/L | | | | | | |
| >C28-C35 | <4.77 | U | 4.77 | mg/L | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 0.421 | J | 9.54 | mg/L | 0.477 | | 88.2 | 50-150 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *27.2* | *mg/L* | *31.8* | | *85.5* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.7* | *mg/L* | *31.8* | | *87.1* | *70-130* | | |
| **Matrix Spike (BFC1098-MS1)** | | **Source: 22A3944-20** | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 30.1 | | 2.25 | mg/L | 30.1 | <2.25 | 100 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 46.8 | | 4.51 | mg/L | 60.1 | <4.51 | 77.9 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *20.2* | *mg/L* | *30.1* | | *67.1* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.6* | *mg/L* | *30.1* | | *88.4* | *70-130* | | |
| **Matrix Spike (BFC1098-MS2)** | | **Source: 22A3944-20RE1** | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| C6-C12 | 30.9 | | 4.64 | mg/L | 30.9 | <4.64 | 99.8 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 57.7 | | 9.28 | mg/L | 61.9 | <9.28 | 93.3 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *24.0* | *mg/L* | *30.9* | | *77.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *28.3* | *mg/L* | *30.9* | | *91.6* | *70-130* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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# Quality Control
**(Continued)**

## Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1098 - TX 1005 ELUT (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1098-MSD1)** | **Source: 22A3944-20** | | | | Prepared: 3/8/2022 Analyzed: 3/11/2022 | | | | | |
| C6-C12 | 29.4 | | 2.32 | mg/L | 30.9 | <2.32 | 95.1 | 75-125 | 2.42 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 47.2 | | 4.64 | mg/L | 61.9 | <4.64 | 76.4 | 75-125 | 0.882 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | *S* | *20.0* | *mg/L* | *30.9* | | *64.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *27.8* | *mg/L* | *30.9* | | *89.9* | *70-130* | | |
| ***Batch: BFC1112 - SW-3511*** | | | | | | | | | | |
| **Blank (BFC1112-BLK1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDE | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDT | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Aldrin | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Chlordane (tech.) | 0.0161 | R | 0.00595 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| delta-BHC | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Dieldrin | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endosulfan I | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endosulfan II | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endrin | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endrin aldehyde | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Endrin ketone | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| gamma-Chlordane | 0.00750 | R | 0.00595 | ug/L | | | | | | |
| Heptachlor | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Methoxychlor | <0.00595 | R, U | 0.00595 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | R, U | 0.298 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *R, S* | *0.200* | *ug/L* | *0.119* | | *168* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.118* | *ug/L* | *0.119* | | *99.0* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFC1112-BLK2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDE | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| 4,4'-DDT | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Aldrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| delta-BHC | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Dieldrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan I | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan II | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endrin | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endrin aldehyde | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Endrin ketone | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| gamma-Chlordane | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Heptachlor | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Methoxychlor | <0.00595 | U | 0.00595 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | U | 0.298 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | *S* | | *0.180* | *ug/L* | *0.119* | | *151* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.113* | *ug/L* | *0.119* | | *94.8* | *60-140* | | |
| **LCS TOX (BFC1112-BS1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| 4,4'-DDE | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| 4,4'-DDT | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Aldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Chlordane (tech.) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| delta-BHC | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Dieldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan I | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan II | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan sulfate | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS TOX (BFC1112-BS1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| Endrin aldehyde | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin ketone | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| gamma-Chlordane | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Heptachlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Heptachlor epoxide | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Methoxychlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 1.38 | R | 0.300 | ug/L | 1.20 | | 115 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *R* | *0.125* | *ug/L* | *0.120* | | *104* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.101* | *ug/L* | *0.120* | | *84.4* | *60-140* | | |
| **LCS (BFC1112-BS2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | 0.124 | R | 0.00593 | ug/L | 0.119 | | 104 | 60-140 | | |
| 4,4'-DDE | <0.00593 | R, J1, U | 0.00593 | ug/L | 0.119 | | | 60-140 | | |
| 4,4'-DDT | 0.113 | R | 0.00593 | ug/L | 0.119 | | 95.1 | 60-140 | | |
| Aldrin | 0.121 | R | 0.00593 | ug/L | 0.119 | | 102 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.182 | J1, R | 0.00593 | ug/L | 0.119 | | 153 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.156 | R | 0.00593 | ug/L | 0.119 | | 132 | 60-140 | | |
| Chlordane (tech.) | 0.488 | R | 0.00593 | ug/L | 0.474 | | 103 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.103 | R | 0.00593 | ug/L | 0.119 | | 87.0 | 60-140 | | |
| delta-BHC | 0.143 | R | 0.00593 | ug/L | 0.119 | | 121 | 60-140 | | |
| Dieldrin | 0.127 | R | 0.00593 | ug/L | 0.119 | | 107 | 60-140 | | |
| Endosulfan I | 0.00766 | J1, R | 0.00593 | ug/L | 0.119 | | 6.46 | 60-140 | | |
| Endosulfan II | 0.115 | R | 0.00593 | ug/L | 0.119 | | 97.2 | 60-140 | | |
| Endosulfan sulfate | 0.125 | R | 0.00593 | ug/L | 0.119 | | 106 | 60-140 | | |
| Endrin | 0.115 | R | 0.00593 | ug/L | 0.119 | | 97.2 | 60-140 | | |
| Endrin aldehyde | 0.140 | R | 0.00593 | ug/L | 0.119 | | 118 | 60-140 | | |
| Endrin ketone | 0.150 | R | 0.00593 | ug/L | 0.119 | | 127 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.155 | R | 0.00593 | ug/L | 0.119 | | 130 | 60-140 | | |
| gamma-Chlordane | 0.134 | R | 0.00593 | ug/L | 0.119 | | 113 | 60-140 | | |
| Heptachlor | 0.156 | R | 0.00593 | ug/L | 0.119 | | 131 | 60-140 | | |
| Heptachlor epoxide | 0.0947 | R | 0.00593 | ug/L | 0.119 | | 79.8 | 60-140 | | |
| Methoxychlor | 0.130 | R | 0.00593 | ug/L | 0.119 | | 110 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <0.297 | R, U | 0.297 | ug/L | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *J1, R* | *0.181* | *ug/L* | *0.119* | | *152* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.111* | *ug/L* | *0.119* | | *93.9* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS TOX (BFC1112-BS3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Aldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 1.28 | | 0.300 | ug/L | 1.20 | | 107 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.119* | *ug/L* | *0.120* | | *99.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.102* | *ug/L* | *0.120* | | *85.3* | *60-140* | | |
| **LCS (BFC1112-BS4)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | 0.129 | | 0.00593 | ug/L | 0.119 | | 109 | 60-140 | | |
| 4,4'-DDE | 0.0802 | | 0.00593 | ug/L | 0.119 | | 67.6 | 60-140 | | |
| 4,4'-DDT | 0.114 | | 0.00593 | ug/L | 0.119 | | 96.1 | 60-140 | | |
| Aldrin | 0.118 | | 0.00593 | ug/L | 0.119 | | 99.2 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.138 | | 0.00593 | ug/L | 0.119 | | 117 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.141 | | 0.00593 | ug/L | 0.119 | | 119 | 60-140 | | |
| Chlordane (tech.) | 0.462 | | 0.00593 | ug/L | 0.474 | | 97.5 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.101 | | 0.00593 | ug/L | 0.119 | | 85.0 | 60-140 | | |
| delta-BHC | 0.135 | | 0.00593 | ug/L | 0.119 | | 114 | 60-140 | | |
| Dieldrin | 0.118 | | 0.00593 | ug/L | 0.119 | | 99.2 | 60-140 | | |
| Endosulfan I | 0.0813 | | 0.00593 | ug/L | 0.119 | | 68.5 | 60-140 | | |
| Endosulfan II | 0.114 | | 0.00593 | ug/L | 0.119 | | 96.5 | 60-140 | | |
| Endosulfan sulfate | 0.128 | | 0.00593 | ug/L | 0.119 | | 108 | 60-140 | | |
| Endrin | 0.121 | | 0.00593 | ug/L | 0.119 | | 102 | 60-140 | | |
| Endrin aldehyde | 0.117 | | 0.00593 | ug/L | 0.119 | | 98.5 | 60-140 | | |

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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC1112-BS4)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| Endrin ketone | 0.145 | | 0.00593 | ug/L | 0.119 | | 122 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.135 | | 0.00593 | ug/L | 0.119 | | 114 | 60-140 | | |
| gamma-Chlordane | 0.128 | | 0.00593 | ug/L | 0.119 | | 108 | 60-140 | | |
| Heptachlor | 0.135 | | 0.00593 | ug/L | 0.119 | | 114 | 60-140 | | |
| Heptachlor epoxide | 0.0990 | | 0.00593 | ug/L | 0.119 | | 83.4 | 60-140 | | |
| Methoxychlor | 0.138 | | 0.00593 | ug/L | 0.119 | | 117 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <0.297 | U | 0.297 | ug/L | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.152* | *ug/L* | *0.119* | | *128* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.102* | *ug/L* | *0.119* | | *86.1* | *60-140* | | |
| **LCS Dup TOX (BFC1112-BSD1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Aldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| delta-BHC | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Dieldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan I | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan II | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin aldehyde | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin ketone | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Heptachlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Methoxychlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 1.28 | R | 0.300 | ug/L | 1.20 | | 107 | 60-140 | 7.79 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *R* | *0.119* | *ug/L* | *0.120* | | *98.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.0739* | *ug/L* | *0.120* | | *61.6* | *60-140* | | |

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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFC1112-BSD2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | 0.142 | R | 0.00598 | ug/L | 0.120 | | 119 | 60-140 | 14.1 | 40 |
| 4,4'-DDE | <0.00598 | J1, R, U | 0.00598 | ug/L | 0.120 | | | 60-140 | | 40 |
| 4,4'-DDT | 0.128 | R | 0.00598 | ug/L | 0.120 | | 107 | 60-140 | 12.3 | 40 |
| Aldrin | 0.131 | R | 0.00598 | ug/L | 0.120 | | 110 | 60-140 | 8.37 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.202 | J1, R | 0.00598 | ug/L | 0.120 | | 169 | 60-140 | 10.7 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.175 | J1, R | 0.00598 | ug/L | 0.120 | | 146 | 60-140 | 11.2 | 40 |
| Chlordane (tech.) | 0.591 | R | 0.00598 | ug/L | 0.478 | | 123 | 60-140 | 19.1 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.116 | R | 0.00598 | ug/L | 0.120 | | 96.9 | 60-140 | 11.6 | 40 |
| delta-BHC | 0.172 | J1, R | 0.00598 | ug/L | 0.120 | | 144 | 60-140 | 18.3 | 40 |
| Dieldrin | 0.143 | R | 0.00598 | ug/L | 0.120 | | 119 | 60-140 | 11.8 | 40 |
| Endosulfan I | 0.00783 | J1, R | 0.00598 | ug/L | 0.120 | | 6.55 | 60-140 | 2.14 | 40 |
| Endosulfan II | 0.143 | R | 0.00598 | ug/L | 0.120 | | 120 | 60-140 | 21.7 | 40 |
| Endosulfan sulfate | 0.154 | R | 0.00598 | ug/L | 0.120 | | 129 | 60-140 | 20.5 | 40 |
| Endrin | 0.130 | R | 0.00598 | ug/L | 0.120 | | 109 | 60-140 | 11.9 | 40 |
| Endrin aldehyde | 0.162 | R | 0.00598 | ug/L | 0.120 | | 136 | 60-140 | 15.2 | 40 |
| Endrin ketone | 0.172 | J1, R | 0.00598 | ug/L | 0.120 | | 143 | 60-140 | 13.3 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.190 | J1, R | 0.00598 | ug/L | 0.120 | | 158 | 60-140 | 20.2 | 40 |
| gamma-Chlordane | 0.154 | R | 0.00598 | ug/L | 0.120 | | 129 | 60-140 | 14.0 | 40 |
| Heptachlor | 0.173 | J1, R | 0.00598 | ug/L | 0.120 | | 144 | 60-140 | 10.4 | 40 |
| Heptachlor epoxide | 0.148 | J1, R | 0.00598 | ug/L | 0.120 | | 123 | 60-140 | 43.7 | 40 |
| Methoxychlor | 0.154 | R | 0.00598 | ug/L | 0.120 | | 129 | 60-140 | 16.6 | 40 |
| Toxaphene (Chlorinated Camphene) | <0.299 | R, U | 0.299 | ug/L | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *J1, R* | *0.178* | *ug/L* | *0.120* | | *149* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.140* | *ug/L* | *0.120* | | *117* | *60-140* | | |
| **LCS Dup TOX (BFC1112-BSD3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Aldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup TOX (BFC1112-BSD3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 1.29 | | 0.300 | ug/L | 1.20 | | 108 | 60-140 | 0.484 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.117* | *ug/L* | *0.120* | | *97.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0783* | *ug/L* | *0.120* | | *65.2* | *60-140* | | |
| **LCS Dup (BFC1112-BSD4)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | 0.154 | | 0.00598 | ug/L | 0.120 | | 129 | 60-140 | 17.8 | 40 |
| 4,4'-DDE | 0.0983 | | 0.00598 | ug/L | 0.120 | | 82.2 | 60-140 | 20.3 | 40 |
| 4,4'-DDT | 0.134 | | 0.00598 | ug/L | 0.120 | | 112 | 60-140 | 15.8 | 40 |
| Aldrin | 0.133 | | 0.00598 | ug/L | 0.120 | | 111 | 60-140 | 12.1 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.160 | | 0.00598 | ug/L | 0.120 | | 134 | 60-140 | 14.6 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.163 | | 0.00598 | ug/L | 0.120 | | 136 | 60-140 | 14.1 | 40 |
| Chlordane (tech.) | 0.565 | | 0.00598 | ug/L | 0.478 | | 118 | 60-140 | 20.0 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.120 | | 0.00598 | ug/L | 0.120 | | 100 | 60-140 | 17.0 | 40 |
| delta-BHC | 0.158 | | 0.00598 | ug/L | 0.120 | | 132 | 60-140 | 15.5 | 40 |
| Dieldrin | 0.139 | | 0.00598 | ug/L | 0.120 | | 116 | 60-140 | 16.5 | 40 |
| Endosulfan I | 0.104 | | 0.00598 | ug/L | 0.120 | | 86.8 | 60-140 | 24.3 | 40 |
| Endosulfan II | 0.143 | | 0.00598 | ug/L | 0.120 | | 119 | 60-140 | 21.9 | 40 |
| Endosulfan sulfate | 0.158 | | 0.00598 | ug/L | 0.120 | | 132 | 60-140 | 20.5 | 40 |
| Endrin | 0.142 | | 0.00598 | ug/L | 0.120 | | 119 | 60-140 | 16.2 | 40 |
| Endrin aldehyde | 0.128 | | 0.00598 | ug/L | 0.120 | | 107 | 60-140 | 9.19 | 40 |
| Endrin ketone | 0.167 | | 0.00598 | ug/L | 0.120 | | 140 | 60-140 | 14.6 | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.159 | | 0.00598 | ug/L | 0.120 | | 133 | 60-140 | 16.3 | 40 |
| gamma-Chlordane | 0.148 | | 0.00598 | ug/L | 0.120 | | 124 | 60-140 | 14.5 | 40 |
| Heptachlor | 0.155 | | 0.00598 | ug/L | 0.120 | | 130 | 60-140 | 14.2 | 40 |
| Heptachlor epoxide | 0.143 | | 0.00598 | ug/L | 0.120 | | 119 | 60-140 | 36.1 | 40 |
| Methoxychlor | 0.168 | J1 | 0.00598 | ug/L | 0.120 | | 141 | 60-140 | 19.3 | 40 |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.150* | *ug/L* | *0.120* | | *125* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.128* | *ug/L* | *0.120* | | *107* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFC0552-BLK1 (BFC1112-LBK1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDE | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDT | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Aldrin | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.00795 | R | 0.00598 | ug/L | | | | | | |
| Chlordane (tech.) | 0.0312 | R | 0.00598 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| delta-BHC | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Dieldrin | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Endosulfan I | 0.00609 | R | 0.00598 | ug/L | | | | | | |
| Endosulfan II | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Endrin | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Endrin aldehyde | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Endrin ketone | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| gamma-Chlordane | 0.0159 | R | 0.00598 | ug/L | | | | | | |
| Heptachlor | 0.0127 | R | 0.00598 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Methoxychlor | <0.00598 | R, U | 0.00598 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.299 | R, U | 0.299 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *R* | *0.201* | *ug/L* | *0.120* | | *168* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.130* | *ug/L* | *0.120* | | *109* | *60-140* | | |
| **BFC0552-BLK1 (BFC1112-LBK2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/22/2022 | | | | | |
| 4,4'-DDD | <0.00598 | CQ, U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDE | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDT | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Aldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00598 | CQ, U | 0.00598 | ug/L | | | | | | |
| Chlordane (tech.) | 0.0142 | | 0.00598 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| delta-BHC | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Dieldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan I | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan II | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BFC0552-BLK1 (BFC1112-LBK2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/22/2022 | | | | | |
| Endrin aldehyde | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin ketone | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-Chlordane | <0.00598 | CQ, U | 0.00598 | ug/L | | | | | | |
| Heptachlor | 0.0142 | | 0.00598 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Methoxychlor | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.171* | *ug/L* | *0.120* | | *143* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.121* | *ug/L* | *0.120* | | *101* | *60-140* | | |
| **MDL TOX (BFC1112-MRL1)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| 4,4'-DDE | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| 4,4'-DDT | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Aldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Chlordane (tech.) | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| delta-BHC | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Dieldrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan I | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan II | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan sulfate | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin aldehyde | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin ketone | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| gamma-Chlordane | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Heptachlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Heptachlor epoxide | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Methoxychlor | <0.00600 | R, U | 0.00600 | ug/L | | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | 0.344 | R | 0.300 | ug/L | 0.300 | | 115 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *R* | *0.114* | *ug/L* | *0.120* | | *95.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.0673* | *ug/L* | *0.120* | | *56.1* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL (BFC1112-MRL2)** | | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | 0.0141 | R | 0.00597 | ug/L | 0.0119 | | 118 | 50-150 | | |
| 4,4'-DDE | <0.00597 | R, U | 0.00597 | ug/L | 0.0119 | | | 50-150 | | |
| 4,4'-DDT | 0.0148 | R | 0.00597 | ug/L | 0.0119 | | 124 | 50-150 | | |
| Aldrin | 0.0123 | R | 0.00597 | ug/L | 0.0119 | | 103 | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0229 | R | 0.00597 | ug/L | 0.0119 | | 192 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0185 | R | 0.00597 | ug/L | 0.0119 | | 155 | 50-150 | | |
| Chlordane (tech.) | 0.0745 | R | 0.00597 | ug/L | 0.0477 | | 156 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0158 | R | 0.00597 | ug/L | 0.0119 | | 132 | 50-150 | | |
| delta-BHC | 0.0168 | R | 0.00597 | ug/L | 0.0119 | | 141 | 50-150 | | |
| Dieldrin | 0.0168 | R | 0.00597 | ug/L | 0.0119 | | 141 | 50-150 | | |
| Endosulfan I | <0.00597 | R, U | 0.00597 | ug/L | 0.0119 | | | 50-150 | | |
| Endosulfan II | 0.0143 | R | 0.00597 | ug/L | 0.0119 | | 120 | 50-150 | | |
| Endosulfan sulfate | 0.0169 | R | 0.00597 | ug/L | 0.0119 | | 142 | 50-150 | | |
| Endrin | 0.0154 | R | 0.00597 | ug/L | 0.0119 | | 129 | 50-150 | | |
| Endrin aldehyde | 0.0197 | R | 0.00597 | ug/L | 0.0119 | | 165 | 50-150 | | |
| Endrin ketone | 0.0215 | R | 0.00597 | ug/L | 0.0119 | | 180 | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0165 | R | 0.00597 | ug/L | 0.0119 | | 138 | 50-150 | | |
| gamma-Chlordane | 0.0180 | R | 0.00597 | ug/L | 0.0119 | | 151 | 50-150 | | |
| Heptachlor | 0.0280 | R | 0.00597 | ug/L | 0.0119 | | 235 | 50-150 | | |
| Heptachlor epoxide | 0.0128 | R | 0.00597 | ug/L | 0.0119 | | 107 | 50-150 | | |
| Methoxychlor | 0.0187 | R | 0.00597 | ug/L | 0.0119 | | 157 | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | R, U | 0.298 | ug/L | | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | *R* | | *0.175* | *ug/L* | *0.119* | | *146* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | *R* | | *0.112* | *ug/L* | *0.119* | | *94.0* | *60-140* | | |
| **MDL TOX (BFC1112-MRL3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Aldrin | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL TOX (BFC1112-MRL3)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | 0.368 | | 0.300 | ug/L | 0.300 | | 123 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.111* | *ug/L* | *0.120* | | *92.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0704* | *ug/L* | *0.120* | | *58.6* | *60-140* | | |
| **MDL (BFC1112-MRL4)** | | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | 0.0149 | | 0.00597 | ug/L | 0.0119 | | 125 | 50-150 | | |
| 4,4'-DDE | 0.0156 | | 0.00597 | ug/L | 0.0119 | | 131 | 50-150 | | |
| 4,4'-DDT | 0.0151 | | 0.00597 | ug/L | 0.0119 | | 126 | 50-150 | | |
| Aldrin | 0.0139 | | 0.00597 | ug/L | 0.0119 | | 116 | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0184 | J1 | 0.00597 | ug/L | 0.0119 | | 154 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0190 | J1 | 0.00597 | ug/L | 0.0119 | | 159 | 50-150 | | |
| Chlordane (tech.) | 0.0853 | J1 | 0.00597 | ug/L | 0.0477 | | 179 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0171 | | 0.00597 | ug/L | 0.0119 | | 143 | 50-150 | | |
| delta-BHC | 0.0176 | | 0.00597 | ug/L | 0.0119 | | 148 | 50-150 | | |
| Dieldrin | 0.0167 | | 0.00597 | ug/L | 0.0119 | | 140 | 50-150 | | |
| Endosulfan I | 0.0126 | | 0.00597 | ug/L | 0.0119 | | 106 | 50-150 | | |
| Endosulfan II | 0.0145 | | 0.00597 | ug/L | 0.0119 | | 122 | 50-150 | | |
| Endosulfan sulfate | 0.0185 | J1 | 0.00597 | ug/L | 0.0119 | | 155 | 50-150 | | |
| Endrin | 0.0160 | | 0.00597 | ug/L | 0.0119 | | 134 | 50-150 | | |
| Endrin aldehyde | 0.0192 | J1 | 0.00597 | ug/L | 0.0119 | | 161 | 50-150 | | |
| Endrin ketone | 0.0214 | J1 | 0.00597 | ug/L | 0.0119 | | 180 | 50-150 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.0167 | | 0.00597 | ug/L | 0.0119 | | 140 | 50-150 | | |
| gamma-Chlordane | 0.0265 | J1 | 0.00597 | ug/L | 0.0119 | | 222 | 50-150 | | |
| Heptachlor | 0.0290 | J1 | 0.00597 | ug/L | 0.0119 | | 243 | 50-150 | | |
| Heptachlor epoxide | 0.0127 | | 0.00597 | ug/L | 0.0119 | | 106 | 50-150 | | |
| Methoxychlor | 0.0189 | J1 | 0.00597 | ug/L | 0.0119 | | 159 | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | <0.298 | U | 0.298 | ug/L | | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.147* | *ug/L* | *0.119* | | *123* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.104* | *ug/L* | *0.119* | | *87.4* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC1112-MS1)** | **Source: 22A3944-18** | | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | 0.159 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 133 | 60-140 | | |
| 4,4'-DDE | <0.00598 | J1, R, U | 0.00598 | ug/L | 0.120 | <0.00598 | | 60-140 | | |
| 4,4'-DDT | 0.126 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 106 | 60-140 | | |
| Aldrin | 0.148 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 124 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.263 | J1, R | 0.00598 | ug/L | 0.120 | 0.0406 | 186 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.214 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 179 | 60-140 | | |
| Chlordane (tech.) | 0.671 | R | 0.00598 | ug/L | 0.478 | 0.00917 | 138 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.128 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 107 | 60-140 | | |
| delta-BHC | 0.207 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 173 | 60-140 | | |
| Dieldrin | 0.161 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 135 | 60-140 | | |
| Endosulfan I | 0.00741 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 6.20 | 60-140 | | |
| Endosulfan II | 0.162 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 135 | 60-140 | | |
| Endosulfan sulfate | 0.175 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 146 | 60-140 | | |
| Endrin | 0.154 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 129 | 60-140 | | |
| Endrin aldehyde | 0.168 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 141 | 60-140 | | |
| Endrin ketone | 0.193 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 161 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.212 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 177 | 60-140 | | |
| gamma-Chlordane | 0.169 | R | 0.00598 | ug/L | 0.120 | 0.00708 | 136 | 60-140 | | |
| Heptachlor | 0.193 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 162 | 60-140 | | |
| Heptachlor epoxide | 0.180 | J1, R | 0.00598 | ug/L | 0.120 | <0.00598 | 151 | 60-140 | | |
| Methoxychlor | 0.160 | R | 0.00598 | ug/L | 0.120 | <0.00598 | 134 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *J1, R* | *0.200* | *ug/L* | *0.120* | | *167* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.135* | *ug/L* | *0.120* | | *113* | *60-140* | | |
| **Matrix Spike (BFC1112-MS2)** | **Source: 22A3944-18RE1** | | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| 4,4'-DDD | 0.167 | | 0.00598 | ug/L | 0.120 | <0.00598 | 140 | 60-140 | | |
| 4,4'-DDE | 0.135 | | 0.00598 | ug/L | 0.120 | <0.00598 | 113 | 60-140 | | |
| 4,4'-DDT | 0.132 | | 0.00598 | ug/L | 0.120 | <0.00598 | 110 | 60-140 | | |
| Aldrin | 0.148 | | 0.00598 | ug/L | 0.120 | <0.00598 | 124 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.204 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 170 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.191 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 160 | 60-140 | | |
| Chlordane (tech.) | 0.640 | | 0.00598 | ug/L | 0.478 | <0.00598 | 134 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.143 | | 0.00598 | ug/L | 0.120 | <0.00598 | 120 | 60-140 | | |
| delta-BHC | 0.181 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 151 | 60-140 | | |
| Dieldrin | 0.155 | | 0.00598 | ug/L | 0.120 | <0.00598 | 130 | 60-140 | | |
| Endosulfan I | 0.144 | | 0.00598 | ug/L | 0.120 | <0.00598 | 120 | 60-140 | | |
| Endosulfan II | 0.155 | | 0.00598 | ug/L | 0.120 | <0.00598 | 129 | 60-140 | | |
| Endosulfan sulfate | 0.170 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 142 | 60-140 | | |
| Endrin | 0.161 | | 0.00598 | ug/L | 0.120 | <0.00598 | 135 | 60-140 | | |
| Endrin aldehyde | 0.162 | | 0.00598 | ug/L | 0.120 | <0.00598 | 135 | 60-140 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC1112-MS2)** | | **Source: 22A3944-18RE1** | | | Prepared: 3/8/2022 Analyzed: 3/21/2022 | | | | | |
| Endrin ketone | 0.176 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 147 | 60-140 | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.178 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 149 | 60-140 | | |
| gamma-Chlordane | 0.163 | | 0.00598 | ug/L | 0.120 | <0.00598 | 136 | 60-140 | | |
| Heptachlor | 0.173 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 145 | 60-140 | | |
| Heptachlor epoxide | 0.162 | | 0.00598 | ug/L | 0.120 | <0.00598 | 135 | 60-140 | | |
| Methoxychlor | 0.167 | | 0.00598 | ug/L | 0.120 | <0.00598 | 139 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.171* | *ug/L* | *0.120* | | *143* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.125* | *ug/L* | *0.120* | | *105* | *60-140* | | |
| **Matrix Spike Dup (BFC1112-MSD1)** | | **Source: 22A3944-18** | | | Prepared: 3/8/2022 Analyzed: 3/12/2022 | | | | | |
| 4,4'-DDD | 0.166 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 139 | 60-140 | 4.84 | 40 |
| 4,4'-DDE | <0.00597 | J1, R, U | 0.00597 | ug/L | 0.119 | <0.00597 | | 60-140 | | 40 |
| 4,4'-DDT | 0.130 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 109 | 60-140 | 2.43 | 40 |
| Aldrin | 0.150 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 126 | 60-140 | 1.56 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.283 | J1, R | 0.00597 | ug/L | 0.119 | 0.0406 | 204 | 60-140 | 7.56 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.226 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 190 | 60-140 | 5.55 | 40 |
| Chlordane (tech.) | 0.693 | J1, R | 0.00597 | ug/L | 0.477 | 0.00917 | 143 | 60-140 | 3.22 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.135 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 113 | 60-140 | 5.34 | 40 |
| delta-BHC | 0.219 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 183 | 60-140 | 5.69 | 40 |
| Dieldrin | 0.172 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 144 | 60-140 | 6.63 | 40 |
| Endosulfan I | 0.00759 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 6.36 | 60-140 | 2.51 | 40 |
| Endosulfan II | 0.172 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 144 | 60-140 | 6.29 | 40 |
| Endosulfan sulfate | 0.184 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 154 | 60-140 | 5.23 | 40 |
| Endrin | 0.166 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 139 | 60-140 | 7.08 | 40 |
| Endrin aldehyde | 0.183 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 154 | 60-140 | 8.43 | 40 |
| Endrin ketone | 0.211 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 177 | 60-140 | 9.06 | 40 |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.223 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 187 | 60-140 | 5.40 | 40 |
| gamma-Chlordane | 0.175 | R | 0.00597 | ug/L | 0.119 | 0.00708 | 140 | 60-140 | 3.27 | 40 |
| Heptachlor | 0.197 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 165 | 60-140 | 2.05 | 40 |
| Heptachlor epoxide | 0.186 | J1, R | 0.00597 | ug/L | 0.119 | <0.00597 | 156 | 60-140 | 2.90 | 40 |
| Methoxychlor | 0.163 | R | 0.00597 | ug/L | 0.119 | <0.00597 | 137 | 60-140 | 1.58 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *J1, R* | *0.198* | *ug/L* | *0.119* | | *166* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *R* | *0.131* | *ug/L* | *0.119* | | *110* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1112 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1112-MSD2)** | **Source: 22A3944-18RE1** | | | | Prepared: 3/8/2022 Analyzed: 3/22/2022 | | | | | |
| 4,4'-DDD | 0.169 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 142 | 60-140 | 0.891 | 40 |
| 4,4'-DDE | 0.136 | | 0.00597 | ug/L | 0.119 | <0.00597 | 114 | 60-140 | 0.747 | 40 |
| 4,4'-DDT | 0.134 | | 0.00597 | ug/L | 0.119 | <0.00597 | 113 | 60-140 | 2.03 | 40 |
| Aldrin | 0.144 | | 0.00597 | ug/L | 0.119 | <0.00597 | 121 | 60-140 | 2.58 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.210 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 176 | 60-140 | 3.13 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.198 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 166 | 60-140 | 3.82 | 40 |
| Chlordane (tech.) | 0.657 | | 0.00597 | ug/L | 0.477 | <0.00597 | 138 | 60-140 | 2.59 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.149 | | 0.00597 | ug/L | 0.119 | <0.00597 | 125 | 60-140 | 3.77 | 40 |
| delta-BHC | 0.187 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 157 | 60-140 | 3.37 | 40 |
| Dieldrin | 0.160 | | 0.00597 | ug/L | 0.119 | <0.00597 | 134 | 60-140 | 2.91 | 40 |
| Endosulfan I | 0.149 | | 0.00597 | ug/L | 0.119 | <0.00597 | 125 | 60-140 | 3.95 | 40 |
| Endosulfan II | 0.161 | | 0.00597 | ug/L | 0.119 | <0.00597 | 135 | 60-140 | 3.83 | 40 |
| Endosulfan sulfate | 0.180 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 151 | 60-140 | 5.83 | 40 |
| Endrin | 0.168 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 141 | 60-140 | 4.42 | 40 |
| Endrin aldehyde | 0.176 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 147 | 60-140 | 8.44 | 40 |
| Endrin ketone | 0.190 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 159 | 60-140 | 7.98 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.184 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 154 | 60-140 | 2.87 | 40 |
| gamma-Chlordane | 0.170 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 142 | 60-140 | 4.46 | 40 |
| Heptachlor | 0.171 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 144 | 60-140 | 0.875 | 40 |
| Heptachlor epoxide | 0.167 | | 0.00597 | ug/L | 0.119 | <0.00597 | 140 | 60-140 | 3.28 | 40 |
| Methoxychlor | 0.171 | J1 | 0.00597 | ug/L | 0.119 | <0.00597 | 144 | 60-140 | 2.78 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | *S* | | *0.169* | *ug/L* | *0.119* | | *141* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.132* | *ug/L* | *0.119* | | *111* | *60-140* | | |

### *Batch: BFC2100 - SW-3511*

| Analyte | Result | Qual | Reporting Limit | Units |
|---|---|---|---|---|
| **Blank (BFC2100-BLK1)** | | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | |
| 4,4'-DDD | <0.00591 | U | 0.00591 | ug/L |
| 4,4'-DDE | <0.00591 | U | 0.00591 | ug/L |
| 4,4'-DDT | <0.00591 | U | 0.00591 | ug/L |
| Aldrin | <0.00591 | U | 0.00591 | ug/L |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00591 | U | 0.00591 | ug/L |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00591 | U | 0.00591 | ug/L |
| Chlordane (tech.) | <0.00591 | U | 0.00591 | ug/L |
| cis-Chlordane (alpha-Chlordane) | <0.00591 | U | 0.00591 | ug/L |
| delta-BHC | <0.00591 | U | 0.00591 | ug/L |
| Dieldrin | <0.00591 | U | 0.00591 | ug/L |
| Endosulfan I | <0.00591 | U | 0.00591 | ug/L |
| Endosulfan II | <0.00591 | U | 0.00591 | ug/L |
| Endosulfan sulfate | <0.00591 | U | 0.00591 | ug/L |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BFC2100-BLK1)** | | | | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | | | | | |
| Endrin | <0.00591 | U | 0.00591 | ug/L | | | | | | |
| Endrin aldehyde | <0.00591 | U | 0.00591 | ug/L | | | | | | |
| Endrin ketone | <0.00591 | U | 0.00591 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00591 | U | 0.00591 | ug/L | | | | | | |
| gamma-Chlordane | <0.00591 | U | 0.00591 | ug/L | | | | | | |
| Heptachlor | <0.00591 | U | 0.00591 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00591 | U | 0.00591 | ug/L | | | | | | |
| Methoxychlor | <0.00591 | U | 0.00591 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.295 | U | 0.295 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.120* | *ug/L* | *0.118* | | *101* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0985* | *ug/L* | *0.118* | | *83.3* | *60-140* | | |
| **LCS TOX (BFC2100-BS1)** | | | | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | | | | | |
| 4,4'-DDD | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| 4,4'-DDE | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| 4,4'-DDT | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Aldrin | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Chlordane (tech.) | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| delta-BHC | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Dieldrin | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Endosulfan I | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Endosulfan II | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Endosulfan sulfate | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Endrin | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Endrin aldehyde | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Endrin ketone | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| gamma-Chlordane | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Heptachlor | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Heptachlor epoxide | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Methoxychlor | <0.00597 | U | 0.00597 | ug/L | | | | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | 1.24 | | 0.299 | ug/L | 1.19 | | 104 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.111* | *ug/L* | *0.119* | | *93.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0761* | *ug/L* | *0.119* | | *63.7* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC2100-BS2)** | | | | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | | | | | |
| 4,4'-DDD | 0.0958 | | 0.00594 | ug/L | 0.119 | | 80.6 | 60-140 | | |
| 4,4'-DDE | 0.0777 | | 0.00594 | ug/L | 0.119 | | 65.5 | 60-140 | | |
| 4,4'-DDT | 0.110 | | 0.00594 | ug/L | 0.119 | | 92.5 | 60-140 | | |
| Aldrin | 0.0843 | | 0.00594 | ug/L | 0.119 | | 71.0 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.117 | | 0.00594 | ug/L | 0.119 | | 98.7 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0986 | | 0.00594 | ug/L | 0.119 | | 83.0 | 60-140 | | |
| Chlordane (tech.) | 0.359 | | 0.00594 | ug/L | 0.475 | | 75.5 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0801 | | 0.00594 | ug/L | 0.119 | | 67.5 | 60-140 | | |
| delta-BHC | 0.105 | | 0.00594 | ug/L | 0.119 | | 88.2 | 60-140 | | |
| Dieldrin | 0.0913 | | 0.00594 | ug/L | 0.119 | | 76.9 | 60-140 | | |
| Endosulfan I | 0.0666 | J1 | 0.00594 | ug/L | 0.119 | | 56.1 | 60-140 | | |
| Endosulfan II | 0.0849 | | 0.00594 | ug/L | 0.119 | | 71.4 | 60-140 | | |
| Endosulfan sulfate | 0.0974 | | 0.00594 | ug/L | 0.119 | | 82.0 | 60-140 | | |
| Endrin | 0.0893 | | 0.00594 | ug/L | 0.119 | | 75.2 | 60-140 | | |
| Endrin aldehyde | 0.0965 | | 0.00594 | ug/L | 0.119 | | 81.3 | 60-140 | | |
| Endrin ketone | 0.108 | | 0.00594 | ug/L | 0.119 | | 90.6 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.110 | | 0.00594 | ug/L | 0.119 | | 92.3 | 60-140 | | |
| gamma-Chlordane | 0.0821 | | 0.00594 | ug/L | 0.119 | | 69.1 | 60-140 | | |
| Heptachlor | 0.103 | | 0.00594 | ug/L | 0.119 | | 86.5 | 60-140 | | |
| Heptachlor epoxide | 0.0936 | | 0.00594 | ug/L | 0.119 | | 78.8 | 60-140 | | |
| Methoxychlor | 0.100 | | 0.00594 | ug/L | 0.119 | | 84.2 | 60-140 | | |
| Toxaphene (Chlorinated Camphene) | <0.297 | U | 0.297 | ug/L | | | | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.122* | *ug/L* | *0.119* | | *102* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.114* | *ug/L* | *0.119* | | *96.2* | *60-140* | | |
| **LCS Dup TOX (BFC2100-BSD1)** | | | | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | | | | | |
| 4,4'-DDD | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDE | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| 4,4'-DDT | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Aldrin | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Chlordane (tech.) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| cis-Chlordane (alpha-Chlordane) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| delta-BHC | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Dieldrin | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Endosulfan I | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Endosulfan II | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Endosulfan sulfate | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Endrin | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Endrin aldehyde | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Quality Control
**(Continued)**

## Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup TOX (BFC2100-BSD1)** | | | | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | | | | | |
| Endrin ketone | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| gamma-Chlordane | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Heptachlor | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Heptachlor epoxide | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Methoxychlor | <0.00595 | U | 0.00595 | ug/L | | | | 60-140 | | 40 |
| Toxaphene (Chlorinated Camphene) | 1.24 | | 0.297 | ug/L | 1.19 | | 104 | 60-140 | 0.0342 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.112* | *ug/L* | *0.119* | | *94.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0902* | *ug/L* | *0.119* | | *75.9* | *60-140* | | |
| **LCS Dup (BFC2100-BSD2)** | | | | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | | | | | |
| 4,4'-DDD | 0.0970 | | 0.00598 | ug/L | 0.120 | | 81.1 | 60-140 | 1.30 | 40 |
| 4,4'-DDE | 0.0820 | | 0.00598 | ug/L | 0.120 | | 68.5 | 60-140 | 5.33 | 40 |
| 4,4'-DDT | 0.0981 | | 0.00598 | ug/L | 0.120 | | 82.0 | 60-140 | 11.4 | 40 |
| Aldrin | 0.0828 | | 0.00598 | ug/L | 0.120 | | 69.2 | 60-140 | 1.72 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.117 | | 0.00598 | ug/L | 0.120 | | 98.0 | 60-140 | 0.0389 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.102 | | 0.00598 | ug/L | 0.120 | | 85.3 | 60-140 | 3.47 | 40 |
| Chlordane (tech.) | 0.348 | | 0.00598 | ug/L | 0.478 | | 72.8 | 60-140 | 2.89 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.0847 | | 0.00598 | ug/L | 0.120 | | 70.8 | 60-140 | 5.55 | 40 |
| delta-BHC | 0.103 | | 0.00598 | ug/L | 0.120 | | 86.2 | 60-140 | 1.56 | 40 |
| Dieldrin | 0.0927 | | 0.00598 | ug/L | 0.120 | | 77.5 | 60-140 | 1.49 | 40 |
| Endosulfan I | 0.0703 | J1 | 0.00598 | ug/L | 0.120 | | 58.8 | 60-140 | 5.50 | 40 |
| Endosulfan II | 0.0792 | | 0.00598 | ug/L | 0.120 | | 66.2 | 60-140 | 6.95 | 40 |
| Endosulfan sulfate | 0.0935 | | 0.00598 | ug/L | 0.120 | | 78.2 | 60-140 | 4.09 | 40 |
| Endrin | 0.0882 | | 0.00598 | ug/L | 0.120 | | 73.8 | 60-140 | 1.26 | 40 |
| Endrin aldehyde | 0.108 | | 0.00598 | ug/L | 0.120 | | 90.4 | 60-140 | 11.4 | 40 |
| Endrin ketone | 0.108 | | 0.00598 | ug/L | 0.120 | | 90.6 | 60-140 | 0.715 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.109 | | 0.00598 | ug/L | 0.120 | | 90.8 | 60-140 | 0.836 | 40 |
| gamma-Chlordane | 0.0860 | | 0.00598 | ug/L | 0.120 | | 71.9 | 60-140 | 4.64 | 40 |
| Heptachlor | 0.102 | | 0.00598 | ug/L | 0.120 | | 85.4 | 60-140 | 0.594 | 40 |
| Heptachlor epoxide | 0.0755 | | 0.00598 | ug/L | 0.120 | | 63.1 | 60-140 | 21.4 | 40 |
| Methoxychlor | 0.0955 | | 0.00598 | ug/L | 0.120 | | 79.8 | 60-140 | 4.63 | 40 |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | 60-140 | | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.120* | *ug/L* | *0.120* | | *101* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0809* | *ug/L* | *0.120* | | *67.6* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL TOX (BFC2100-MRL1)** | | | | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | | | | | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Aldrin | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | 0.324 | | 0.300 | ug/L | 0.300 | | 108 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.105* | *ug/L* | *0.120* | | *87.7* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0713* | *ug/L* | *0.120* | | *59.5* | *60-140* | | |
| **MDL (BFC2100-MRL2)** | | | | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | | | | | |
| 4,4'-DDD | 0.0104 | | 0.00594 | ug/L | 0.0119 | | 87.3 | 50-150 | | |
| 4,4'-DDE | 0.0112 | | 0.00594 | ug/L | 0.0119 | | 94.6 | 50-150 | | |
| 4,4'-DDT | 0.0806 | | 0.00594 | ug/L | 0.0119 | | 678 | 50-150 | | |
| Aldrin | 0.00805 | | 0.00594 | ug/L | 0.0119 | | 67.7 | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0193 | | 0.00594 | ug/L | 0.0119 | | 162 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0144 | | 0.00594 | ug/L | 0.0119 | | 121 | 50-150 | | |
| Chlordane (tech.) | 0.0486 | | 0.00594 | ug/L | 0.0475 | | 102 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0113 | | 0.00594 | ug/L | 0.0119 | | 94.8 | 50-150 | | |
| delta-BHC | 0.0125 | | 0.00594 | ug/L | 0.0119 | | 105 | 50-150 | | |
| Dieldrin | 0.0119 | | 0.00594 | ug/L | 0.0119 | | 100 | 50-150 | | |
| Endosulfan I | 0.00834 | | 0.00594 | ug/L | 0.0119 | | 70.2 | 50-150 | | |
| Endosulfan II | 0.0118 | | 0.00594 | ug/L | 0.0119 | | 99.4 | 50-150 | | |
| Endosulfan sulfate | 0.0134 | | 0.00594 | ug/L | 0.0119 | | 113 | 50-150 | | |
| Endrin | 0.0110 | | 0.00594 | ug/L | 0.0119 | | 92.9 | 50-150 | | |
| Endrin aldehyde | 0.0146 | | 0.00594 | ug/L | 0.0119 | | 123 | 50-150 | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL (BFC2100-MRL2)** | | | | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | | | | | |
| Endrin ketone | 0.0156 | | 0.00594 | ug/L | 0.0119 | | 131 | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0149 | | 0.00594 | ug/L | 0.0119 | | 125 | 50-150 | | |
| gamma-Chlordane | 0.00837 | | 0.00594 | ug/L | 0.0119 | | 70.4 | 50-150 | | |
| Heptachlor | 0.0166 | | 0.00594 | ug/L | 0.0119 | | 140 | 50-150 | | |
| Heptachlor epoxide | 0.0124 | | 0.00594 | ug/L | 0.0119 | | 104 | 50-150 | | |
| Methoxychlor | 0.0137 | | 0.00594 | ug/L | 0.0119 | | 115 | 50-150 | | |
| Toxaphene (Chlorinated Camphene) | <0.297 | U | 0.297 | ug/L | | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.118* | *ug/L* | *0.119* | | *99.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0982* | *ug/L* | *0.119* | | *82.6* | *60-140* | | |
| **Matrix Spike (BFC2100-MS1)** | | **Source: 22B3342-07** | | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | | | | | |
| 4,4'-DDD | 0.101 | | 0.00598 | ug/L | 0.120 | <0.00598 | 84.3 | 60-140 | | |
| 4,4'-DDE | 0.0674 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 56.4 | 60-140 | | |
| 4,4'-DDT | 0.0703 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 58.8 | 60-140 | | |
| Aldrin | 0.0876 | | 0.00598 | ug/L | 0.120 | <0.00598 | 73.3 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.128 | | 0.00598 | ug/L | 0.120 | <0.00598 | 107 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.118 | | 0.00598 | ug/L | 0.120 | <0.00598 | 98.5 | 60-140 | | |
| Chlordane (tech.) | 0.385 | | 0.00598 | ug/L | 0.478 | <0.00598 | 80.6 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0846 | | 0.00598 | ug/L | 0.120 | <0.00598 | 70.8 | 60-140 | | |
| delta-BHC | 0.121 | | 0.00598 | ug/L | 0.120 | <0.00598 | 101 | 60-140 | | |
| Dieldrin | 0.0972 | | 0.00598 | ug/L | 0.120 | <0.00598 | 81.4 | 60-140 | | |
| Endosulfan I | 0.0679 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 56.8 | 60-140 | | |
| Endosulfan II | 0.0920 | | 0.00598 | ug/L | 0.120 | <0.00598 | 76.9 | 60-140 | | |
| Endosulfan sulfate | 0.107 | | 0.00598 | ug/L | 0.120 | <0.00598 | 89.3 | 60-140 | | |
| Endrin | 0.0921 | | 0.00598 | ug/L | 0.120 | <0.00598 | 77.1 | 60-140 | | |
| Endrin aldehyde | 0.0984 | | 0.00598 | ug/L | 0.120 | <0.00598 | 82.3 | 60-140 | | |
| Endrin ketone | 0.117 | | 0.00598 | ug/L | 0.120 | <0.00598 | 98.0 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.123 | | 0.00598 | ug/L | 0.120 | <0.00598 | 103 | 60-140 | | |
| gamma-Chlordane | 0.0908 | | 0.00598 | ug/L | 0.120 | <0.00598 | 76.0 | 60-140 | | |
| Heptachlor | 0.104 | | 0.00598 | ug/L | 0.120 | <0.00598 | 87.2 | 60-140 | | |
| Heptachlor epoxide | 0.106 | | 0.00598 | ug/L | 0.120 | <0.00598 | 88.3 | 60-140 | | |
| Methoxychlor | 0.0779 | | 0.00598 | ug/L | 0.120 | <0.00598 | 65.2 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.118* | *ug/L* | *0.120* | | *98.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0923* | *ug/L* | *0.120* | | *77.3* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2100 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC2100-MSD1)** | | | **Source: 22B3342-07** | | Prepared: 3/15/2022 Analyzed: 3/19/2022 | | | | | |
| 4,4'-DDD | 0.0964 | | 0.00598 | ug/L | 0.120 | <0.00598 | 80.6 | 60-140 | 4.41 | 40 |
| 4,4'-DDE | 0.0778 | | 0.00598 | ug/L | 0.120 | <0.00598 | 65.1 | 60-140 | 14.3 | 40 |
| 4,4'-DDT | 0.0706 | J1 | 0.00598 | ug/L | 0.120 | <0.00598 | 59.0 | 60-140 | 0.377 | 40 |
| Aldrin | 0.0822 | | 0.00598 | ug/L | 0.120 | <0.00598 | 68.7 | 60-140 | 6.38 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.121 | | 0.00598 | ug/L | 0.120 | <0.00598 | 101 | 60-140 | 5.66 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.110 | | 0.00598 | ug/L | 0.120 | <0.00598 | 92.4 | 60-140 | 6.32 | 40 |
| Chlordane (tech.) | 0.365 | | 0.00598 | ug/L | 0.478 | <0.00598 | 76.4 | 60-140 | 5.25 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.0845 | | 0.00598 | ug/L | 0.120 | <0.00598 | 70.7 | 60-140 | 0.0546 | 40 |
| delta-BHC | 0.112 | | 0.00598 | ug/L | 0.120 | <0.00598 | 93.8 | 60-140 | 7.20 | 40 |
| Dieldrin | 0.0926 | | 0.00598 | ug/L | 0.120 | <0.00598 | 77.4 | 60-140 | 4.92 | 40 |
| Endosulfan I | 0.0764 | | 0.00598 | ug/L | 0.120 | <0.00598 | 63.8 | 60-140 | 11.8 | 40 |
| Endosulfan II | 0.0873 | | 0.00598 | ug/L | 0.120 | <0.00598 | 73.0 | 60-140 | 5.24 | 40 |
| Endosulfan sulfate | 0.103 | | 0.00598 | ug/L | 0.120 | <0.00598 | 85.7 | 60-140 | 4.01 | 40 |
| Endrin | 0.0880 | | 0.00598 | ug/L | 0.120 | <0.00598 | 73.6 | 60-140 | 4.58 | 40 |
| Endrin aldehyde | 0.111 | | 0.00598 | ug/L | 0.120 | <0.00598 | 93.1 | 60-140 | 12.4 | 40 |
| Endrin ketone | 0.111 | | 0.00598 | ug/L | 0.120 | <0.00598 | 92.9 | 60-140 | 5.24 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.116 | | 0.00598 | ug/L | 0.120 | <0.00598 | 97.2 | 60-140 | 5.97 | 40 |
| gamma-Chlordane | 0.0847 | | 0.00598 | ug/L | 0.120 | <0.00598 | 70.8 | 60-140 | 7.02 | 40 |
| Heptachlor | 0.0959 | | 0.00598 | ug/L | 0.120 | <0.00598 | 80.2 | 60-140 | 8.33 | 40 |
| Heptachlor epoxide | 0.100 | | 0.00598 | ug/L | 0.120 | <0.00598 | 84.0 | 60-140 | 5.00 | 40 |
| Methoxychlor | 0.0782 | | 0.00598 | ug/L | 0.120 | <0.00598 | 65.3 | 60-140 | 0.302 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.121* | *ug/L* | *0.120* | | *101* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0965* | *ug/L* | *0.120* | | *80.7* | *60-140* | | |
| ***Batch: BFC2320 - SW-3511*** | | | | | | | | | | |
| **Blank (BFC2320-BLK1)** | | | | | Prepared: 3/16/2022 Analyzed: 3/17/2022 | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.144* | *ug/L* | *0.120* | | *120* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.102* | *ug/L* | *0.120* | | *85.0* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2320 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BFC2320-BS1)** | | | | | Prepared: 3/16/2022 Analyzed: 3/18/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.51 | | 0.120 | ug/L | 1.20 | | 126 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 1.23 | | 0.120 | ug/L | 1.20 | | 103 | 60-140 | | |
| PCBs, Total | 1.31 | | 0.120 | ug/L | 1.20 | | 109 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.128* | *ug/L* | *0.120* | | *107* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.107* | *ug/L* | *0.120* | | *89.4* | *60-140* | | |
| **LCS Dup (BFC2320-BSD1)** | | | | | Prepared: 3/16/2022 Analyzed: 3/18/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.47 | | 0.120 | ug/L | 1.20 | | 123 | 60-140 | 2.32 | 40 |
| Aroclor-1260 (PCB-1260) | 1.23 | | 0.120 | ug/L | 1.20 | | 102 | 60-140 | 0.235 | 40 |
| PCBs, Total | 1.30 | | 0.120 | ug/L | 1.20 | | 108 | 60-140 | 0.882 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.138* | *ug/L* | *0.120* | | *115* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.115* | *ug/L* | *0.120* | | *95.9* | *60-140* | | |
| **MDL PCB (BFC2320-MRL1)** | | | | | Prepared: 3/16/2022 Analyzed: 3/17/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 0.501 | | 0.118 | ug/L | 0.236 | | 212 | 50-150 | | |
| Aroclor-1221 (PCB-1221) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1232 (PCB-1232) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1242 (PCB-1242) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1248 (PCB-1248) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1254 (PCB-1254) | <0.118 | U | 0.118 | ug/L | | | | 50-150 | | |
| Aroclor-1260 (PCB-1260) | 0.226 | | 0.118 | ug/L | 0.236 | | 95.9 | 50-150 | | |
| PCBs, Total | 0.309 | | 0.118 | ug/L | 0.236 | | 131 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.131* | *ug/L* | *0.118* | | *111* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0998* | *ug/L* | *0.118* | | *84.7* | *60-140* | | |
| **Matrix Spike (BFC2320-MS1)** | | **Source: 22B3342-02** | | | Prepared: 3/16/2022 Analyzed: 3/18/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.24 | | 0.120 | ug/L | 1.20 | <0.120 | 103 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 0.934 | | 0.120 | ug/L | 1.20 | <0.120 | 77.9 | 60-140 | | |
| PCBs, Total | 1.02 | | 0.120 | ug/L | 1.20 | <0.120 | 85.1 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.136* | *ug/L* | *0.120* | | *113* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0720* | *ug/L* | *0.120* | | *60.1* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2320 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC2320-MSD1)** | **Source: 22B3342-02** | | | | Prepared: 3/16/2022 Analyzed: 3/18/2022 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.27 | | 0.120 | ug/L | 1.20 | <0.120 | 106 | 60-140 | 2.46 | 40 |
| Aroclor-1260 (PCB-1260) | 0.938 | | 0.120 | ug/L | 1.20 | <0.120 | 78.3 | 60-140 | 0.416 | 40 |
| PCBs, Total | 1.03 | | 0.120 | ug/L | 1.20 | <0.120 | 86.1 | 60-140 | 1.10 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.133* | *ug/L* | *0.120* | | *111* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0633* | *ug/L* | *0.120* | | *52.8* | *60-140* | | |
| ***Batch: BFC2789 - TX 1005 ELUT*** | | | | | | | | | | |
| **Blank (BFC2789-BLK1)** | | | | | Prepared: 3/18/2022 Analyzed: 3/22/2022 | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 0.578 | A, J | 9.44 | mg/L | | | | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *26.3* | *mg/L* | *31.5* | | *83.6* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *26.2* | *mg/L* | *31.5* | | *83.4* | *70-130* | | |
| **LCS (BFC2789-BS1)** | | | | | Prepared: 3/18/2022 Analyzed: 3/22/2022 | | | | | |
| C6-C12 | 25.0 | A | 4.70 | mg/L | 31.3 | | 79.8 | 75-125 | | |
| >C12-C28 | 23.8 | A | 4.70 | mg/L | 31.3 | | 75.9 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 49.4 | A | 9.40 | mg/L | 62.7 | | 78.7 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *24.6* | *mg/L* | *31.3* | | *78.4* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *25.9* | *mg/L* | *31.3* | | *82.6* | *70-130* | | |
| **LCS Dup (BFC2789-BSD1)** | | | | | Prepared: 3/18/2022 Analyzed: 3/22/2022 | | | | | |
| C6-C12 | 32.2 | A, J1 | 4.82 | mg/L | 32.2 | | 100 | 75-125 | 25.2 | 20 |
| >C12-C28 | 25.8 | A | 4.82 | mg/L | 32.2 | | 80.3 | 75-125 | 8.16 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 59.2 | A | 9.65 | mg/L | 64.3 | | 92.0 | 75-125 | 18.1 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *26.5* | *mg/L* | *32.2* | | *82.2* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *28.1* | *mg/L* | *32.2* | | *87.4* | *70-130* | | |

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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC2789 - TX 1005 ELUT (Continued)*** | | | | | | | | | | |
| **MDL Check (BFC2789-MRL1)** | | | | | Prepared: 3/18/2022 Analyzed: 3/22/2022 | | | | | |
| C6-C12 | 0.187 | A, J | 4.78 | mg/L | 0.239 | | 78.0 | | | |
| >C12-C28 | 0.279 | A, J | 4.78 | mg/L | 0.239 | | 117 | | | |
| >C12-C35 | 0.279 | A, J | 4.78 | mg/L | | | | | | |
| >C28-C35 | <4.78 | A, U | 4.78 | mg/L | | | | | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 0.639 | A, J | 9.57 | mg/L | 0.478 | | 134 | | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *26.1* | *mg/L* | *31.9* | | *81.7* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *25.7* | *mg/L* | *31.9* | | *80.6* | *70-130* | | |
| **Matrix Spike (BFC2789-MS1)** | | **Source: 22A3944-19** | | | Prepared: 3/18/2022 Analyzed: 3/22/2022 | | | | | |
| C6-C12 | <4.51 | A, J1, U | 4.51 | mg/L | 30.1 | <4.51 | | 75-125 | | |
| >C12-C28 | 0.780 | A, J1, J | 4.51 | mg/L | 30.1 | 0.429 | 1.17 | 75-125 | | |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 1.01 | A, J1, J | 9.02 | mg/L | 60.2 | 0.481 | 0.874 | 75-125 | | |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *24.2* | *mg/L* | *30.1* | | *80.4* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *25.3* | *mg/L* | *30.1* | | *84.2* | *70-130* | | |
| **Matrix Spike Dup (BFC2789-MSD1)** | | **Source: 22A3944-19** | | | Prepared: 3/18/2022 Analyzed: 3/22/2022 | | | | | |
| C6-C12 | 25.5 | A, J1 | 4.42 | mg/L | 29.5 | <4.42 | 86.3 | 75-125 | 200 | 20 |
| >C12-C28 | 22.3 | A, J1 | 4.42 | mg/L | 29.5 | 0.429 | 74.3 | 75-125 | 186 | 20 |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | 48.5 | A, J1 | 8.84 | mg/L | 59.0 | 0.481 | 81.4 | 75-125 | 192 | 20 |
| *Surrogate: 1-Chlorooctadecane-surr* | | | *23.6* | *mg/L* | *29.5* | | *80.0* | *70-130* | | |
| *Surrogate: 1-Chlorooctane-surr* | | | *24.1* | *mg/L* | *29.5* | | *81.8* | *70-130* | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0228 - EPA 200.8 Dissolved*** | | | | | | | | | | |
| **Blank (BFC0228-BLK1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | | | | | |
| Arsenic | <0.500 | U | 0.500 | ug/L | | | | | | |
| Cadmium | <1.00 | U | 1.00 | ug/L | | | | | | |
| Chromium | <3.00 | U | 3.00 | ug/L | | | | | | |
| Copper | <1.00 | U | 1.00 | ug/L | | | | | | |
| Lead | <0.500 | U | 0.500 | ug/L | | | | | | |
| Nickel | 0.321 | J | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| Thallium | <0.500 | U | 0.500 | ug/L | | | | | | |
| Zinc | <2.00 | U | 2.00 | ug/L | | | | | | |
| **Blank (BFC0228-BLK2)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | <0.200 | U | 0.200 | ug/L | | | | | | |
| **LCS (BFC0228-BS1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | 104 | | 1.00 | ug/L | 100 | | 104 | 85-115 | | |
| Arsenic | 50.9 | | 0.500 | ug/L | 50.0 | | 102 | 85-115 | | |
| Cadmium | 98.9 | | 1.00 | ug/L | 100 | | 98.9 | 85-115 | | |
| Chromium | 298 | | 3.00 | ug/L | 300 | | 99.3 | 85-115 | | |
| Copper | 101 | | 1.00 | ug/L | 100 | | 101 | 85-115 | | |
| Lead | 50.1 | | 0.500 | ug/L | 50.0 | | 100 | 85-115 | | |
| Nickel | 97.2 | | 1.00 | ug/L | 100 | | 97.2 | 85-115 | | |
| Silver | 51.0 | | 0.500 | ug/L | 50.0 | | 102 | 85-115 | | |
| Thallium | 50.2 | | 0.500 | ug/L | 50.0 | | 100 | 85-115 | | |
| Zinc | 202 | | 2.00 | ug/L | 200 | | 101 | 85-115 | | |
| **LCS (BFC0228-BS2)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | 18.3 | | 0.200 | ug/L | 20.0 | | 91.3 | 85-115 | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0228 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Duplicate (BFC0228-DUP1)** | **Source: 22A3944-08** | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Arsenic | 6.99 | | 5.00 | ug/L | | 7.21 | | | 3.03 | 20 |
| Cadmium | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Chromium | <30.0 | U | 30.0 | ug/L | | <30.0 | | | | 20 |
| Copper | 4.88 | J | 10.0 | ug/L | | 4.90 | | | 0.409 | 20 |
| Lead | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Nickel | 0.752 | J | 10.0 | ug/L | | 0.893 | | | 17.1 | 20 |
| Silver | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Thallium | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Zinc | <20.0 | U | 20.0 | ug/L | | <20.0 | | | | 20 |
| **Duplicate (BFC0228-DUP2)** | **Source: 22A3944-08** | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | <2.00 | U | 2.00 | ug/L | | <2.00 | | | | 20 |
| **MRL Check (BFC0228-MRL1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | 0.274 | J | 1.00 | ug/L | 0.200 | | 137 | | | |
| Arsenic | 0.171 | J | 0.500 | ug/L | 0.100 | | 171 | | | |
| Cadmium | 0.0750 | J | 1.00 | ug/L | 0.0500 | | 150 | | | |
| Chromium | 0.267 | J | 3.00 | ug/L | 0.0800 | | 334 | | | |
| Copper | 0.637 | J | 1.00 | ug/L | 0.200 | | 318 | | | |
| Lead | 0.133 | J | 0.500 | ug/L | 0.100 | | 133 | | | |
| Nickel | 0.819 | J | 1.00 | ug/L | 0.0500 | | NR | | | |
| Silver | 0.0440 | J | 0.500 | ug/L | 0.0300 | | 147 | | | |
| Thallium | 0.0630 | J | 0.500 | ug/L | 0.0300 | | 210 | | | |
| Zinc | 0.0320 | J | 2.00 | ug/L | 0.200 | | 16.0 | | | |
| **MRL Check (BFC0228-MRL2)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | 0.0190 | J | 0.200 | ug/L | 0.0100 | | 190 | | | |

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| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0228 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0228-MS1)** | | **Source: 22A3944-08** | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | 97.5 | | 10.0 | ug/L | 100 | <10.0 | 97.5 | 75-125 | | |
| Arsenic | 58.7 | | 5.00 | ug/L | 50.0 | 7.21 | 103 | 75-125 | | |
| Cadmium | 88.2 | | 10.0 | ug/L | 100 | <10.0 | 88.2 | 75-125 | | |
| Chromium | 309 | | 30.0 | ug/L | 300 | <30.0 | 103 | 75-125 | | |
| Copper | 93.1 | | 10.0 | ug/L | 100 | 4.90 | 88.2 | 75-125 | | |
| Lead | 43.2 | | 5.00 | ug/L | 50.0 | <5.00 | 86.3 | 75-125 | | |
| Nickel | 91.2 | | 10.0 | ug/L | 100 | 0.893 | 90.3 | 75-125 | | |
| Silver | 44.0 | | 5.00 | ug/L | 50.0 | <5.00 | 88.0 | 75-125 | | |
| Thallium | 41.0 | | 5.00 | ug/L | 50.0 | <5.00 | 82.1 | 75-125 | | |
| Zinc | 186 | | 20.0 | ug/L | 200 | <20.0 | 92.8 | 75-125 | | |
| **Matrix Spike (BFC0228-MS2)** | | **Source: 22A3944-08** | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | 12.7 | J1 | 2.00 | ug/L | 20.0 | <2.00 | 63.5 | 75-125 | | |
| ***Batch: BFC0948 - EPA 200.8 Dissolved*** | | | | | | | | | | |
| **Blank (BFC0948-BLK1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | | | | | |
| Arsenic | <0.500 | U | 0.500 | ug/L | | | | | | |
| Cadmium | <1.00 | U | 1.00 | ug/L | | | | | | |
| Chromium | <3.00 | U | 3.00 | ug/L | | | | | | |
| Copper | 0.581 | J | 1.00 | ug/L | | | | | | |
| Lead | <0.500 | U | 0.500 | ug/L | | | | | | |
| Nickel | 0.305 | J | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| Thallium | <0.500 | U | 0.500 | ug/L | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0948 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Blank (BFC0948-BLK2)** | | | | | Prepared: 3/7/2022 Analyzed: 3/8/2022 | | | | | |
| Beryllium | <0.200 | U | 0.200 | ug/L | | | | | | |
| Zinc | 0.274 | J | 2.00 | ug/L | | | | | | |
| **LCS (BFC0948-BS1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Antimony | 96.8 | | 1.00 | ug/L | 100 | | 96.8 | 85-115 | | |
| Arsenic | 49.4 | | 0.500 | ug/L | 50.0 | | 98.8 | 85-115 | | |
| Cadmium | 97.9 | | 1.00 | ug/L | 100 | | 97.9 | 85-115 | | |
| Chromium | 313 | | 3.00 | ug/L | 300 | | 104 | 85-115 | | |
| Copper | 102 | | 1.00 | ug/L | 100 | | 102 | 85-115 | | |
| Lead | 49.4 | | 0.500 | ug/L | 50.0 | | 98.9 | 85-115 | | |
| Nickel | 98.1 | | 1.00 | ug/L | 100 | | 98.1 | 85-115 | | |
| Silver | 47.8 | | 0.500 | ug/L | 50.0 | | 95.6 | 85-115 | | |
| Thallium | 49.8 | | 0.500 | ug/L | 50.0 | | 99.6 | 85-115 | | |
| **LCS (BFC0948-BS2)** | | | | | Prepared: 3/7/2022 Analyzed: 3/8/2022 | | | | | |
| Beryllium | 18.4 | | 0.200 | ug/L | 20.0 | | 92.2 | 85-115 | | |
| Zinc | 192 | | 2.00 | ug/L | 200 | | 96.2 | 85-115 | | |
| **Duplicate (BFC0948-DUP1)** | | **Source: 22A3944-18** | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Antimony | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Arsenic | 6.03 | J1 | 5.00 | ug/L | | 7.84 | | | 26.1 | 20 |
| Cadmium | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Chromium | <30.0 | U | 30.0 | ug/L | | <30.0 | | | | 20 |
| Copper | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Lead | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Nickel | 2.58 | J | 10.0 | ug/L | | 2.60 | | | 0.810 | 20 |
| Silver | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Thallium | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0948 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Duplicate (BFC0948-DUP2)** | | | **Source: 22A3944-18** | | Prepared: 3/7/2022 Analyzed: 3/8/2022 | | | | | |
| Beryllium | <2.00 | U | 2.00 | ug/L | | <2.00 | | | | 20 |
| Zinc | <20.0 | U | 20.0 | ug/L | | <20.0 | | | | 20 |
| **MRL Check (BFC0948-MRL1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Antimony | 0.227 | J | 1.00 | ug/L | 0.200 | | 114 | | | |
| Arsenic | 0.0620 | J | 0.500 | ug/L | 0.100 | | 62.0 | | | |
| Cadmium | 0.0440 | J | 1.00 | ug/L | 0.0500 | | 88.0 | | | |
| Chromium | 0.104 | J | 3.00 | ug/L | 0.0800 | | 130 | | | |
| Copper | 0.322 | J | 1.00 | ug/L | 0.200 | | 161 | | | |
| Lead | 0.0980 | J | 0.500 | ug/L | 0.100 | | 98.0 | | | |
| Nickel | 0.351 | J | 1.00 | ug/L | 0.0500 | | 702 | | | |
| Silver | 0.0350 | J | 0.500 | ug/L | 0.0300 | | 117 | | | |
| Thallium | 0.0380 | J | 0.500 | ug/L | 0.0300 | | 127 | | | |
| **MRL Check (BFC0948-MRL2)** | | | | | Prepared: 3/7/2022 Analyzed: 3/8/2022 | | | | | |
| Beryllium | 0.0150 | J | 0.200 | ug/L | 0.0100 | | 150 | | | |
| Zinc | 0.488 | J | 2.00 | ug/L | 0.200 | | 244 | | | |
| **Matrix Spike (BFC0948-MS1)** | | | **Source: 22A3944-18** | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Antimony | 90.6 | | 10.0 | ug/L | 100 | <10.0 | 90.6 | 75-125 | | |
| Arsenic | 54.6 | | 5.00 | ug/L | 50.0 | 7.84 | 93.4 | 75-125 | | |
| Cadmium | 82.8 | | 10.0 | ug/L | 100 | <10.0 | 82.8 | 75-125 | | |
| Chromium | 332 | | 30.0 | ug/L | 300 | <30.0 | 111 | 75-125 | | |
| Copper | 92.5 | | 10.0 | ug/L | 100 | <10.0 | 92.5 | 75-125 | | |
| Lead | 41.4 | | 5.00 | ug/L | 50.0 | <5.00 | 82.7 | 75-125 | | |
| Nickel | 93.1 | | 10.0 | ug/L | 100 | 2.60 | 90.5 | 75-125 | | |
| Silver | 39.9 | | 5.00 | ug/L | 50.0 | <5.00 | 79.7 | 75-125 | | |
| Thallium | 41.4 | | 5.00 | ug/L | 50.0 | <5.00 | 82.8 | 75-125 | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0948 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC0948-MS2)** | **Source: 22A3944-18** | | | | Prepared: 3/7/2022 Analyzed: 3/8/2022 | | | | | |
| Beryllium | 19.1 | | 2.00 | ug/L | 20.0 | <2.00 | 95.4 | 75-125 | | |
| Zinc | 180 | | 20.0 | ug/L | 200 | <20.0 | 89.9 | 75-125 | | |
| ***Batch: BFC1350 - Cr VI*** | | | | | | | | | | |
| **Blank (BFC1350-BLK1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | <0.00300 | U | 0.00300 | mg/L | | | | | | |
| **Blank (BFC1350-BLK2)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | <0.00300 | U | 0.00300 | mg/L | | | | | | |
| **Blank (BFC1350-BLK3)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | <0.00300 | U | 0.00300 | mg/L | | | | | | |
| **LCS (BFC1350-BS1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 0.238 | | 0.00300 | mg/L | 0.250 | | 95.3 | 85-115 | | |
| **LCS (BFC1350-BS2)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 0.244 | | 0.00300 | mg/L | 0.250 | | 97.8 | 85-115 | | |
| **LCS (BFC1350-BS3)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 0.245 | | 0.00300 | mg/L | 0.250 | | 97.8 | 85-115 | | |
| **BFC0552-BLK1 (BFC1350-LBK1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 0.0206 | | 0.00300 | mg/L | | | | | | |
| **BFC1063-BLK1 (BFC1350-LBK2)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 0.0193 | | 0.00300 | mg/L | | | | | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1350 - Cr VI (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFC1350-MS1)** | | **Source: 22A3987-01** | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 0.642 | J1 | 0.00300 | mg/L | 0.250 | <0.00300 | 257 | 70-130 | | |
| **Matrix Spike Dup (BFC1350-MSD1)** | | **Source: 22A3987-01** | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Chromium (VI) | 0.663 | J1 | 0.00300 | mg/L | 0.250 | <0.00300 | 265 | 70-130 | 3.31 | 20 |
| ***Batch: BFC1435 - EPA 200.8 Dissolved*** | | | | | | | | | | |
| **Blank (BFC1435-BLK1)** | | | | | Prepared: 3/10/2022 Analyzed: 3/14/2022 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | | | | | |
| Arsenic | <0.500 | U | 0.500 | ug/L | | | | | | |
| Cadmium | <1.00 | U | 1.00 | ug/L | | | | | | |
| Chromium | <3.00 | U | 3.00 | ug/L | | | | | | |
| Copper | <1.00 | U | 1.00 | ug/L | | | | | | |
| Lead | <0.500 | U | 0.500 | ug/L | | | | | | |
| Nickel | <1.00 | U | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| Thallium | <0.500 | U | 0.500 | ug/L | | | | | | |
| **Blank (BFC1435-BLK2)** | | | | | Prepared: 3/10/2022 Analyzed: 3/14/2022 | | | | | |
| Beryllium | <0.200 | U | 0.200 | ug/L | | | | | | |
| Zinc | <2.00 | U | 2.00 | ug/L | | | | | | |
| **LCS (BFC1435-BS1)** | | | | | Prepared: 3/10/2022 Analyzed: 3/14/2022 | | | | | |
| Antimony | 87.7 | | 1.00 | ug/L | 100 | | 87.7 | 85-115 | | |
| Arsenic | 51.2 | | 0.500 | ug/L | 50.0 | | 102 | 85-115 | | |
| Cadmium | 95.6 | | 1.00 | ug/L | 100 | | 95.6 | 85-115 | | |
| Chromium | 281 | | 3.00 | ug/L | 300 | | 93.7 | 85-115 | | |
| Copper | 98.7 | | 1.00 | ug/L | 100 | | 98.7 | 85-115 | | |
| Lead | 47.8 | | 0.500 | ug/L | 50.0 | | 95.7 | 85-115 | | |
| Nickel | 95.6 | | 1.00 | ug/L | 100 | | 95.6 | 85-115 | | |
| Silver | 47.3 | | 0.500 | ug/L | 50.0 | | 94.5 | 85-115 | | |
| Thallium | 48.6 | | 0.500 | ug/L | 50.0 | | 97.2 | 85-115 | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1435 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **LCS (BFC1435-BS2)** | | | | | Prepared: 3/10/2022 Analyzed: 3/14/2022 | | | | | |
| Beryllium | 21.8 | | 0.200 | ug/L | 20.0 | | 109 | 85-115 | | |
| Zinc | 213 | | 2.00 | ug/L | 200 | | 107 | 85-115 | | |
| **Duplicate (BFC1435-DUP1)** | | | **Source: 22A3944-19** | | Prepared: 3/10/2022 Analyzed: 3/14/2022 | | | | | |
| Antimony | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Arsenic | 6.97 | | 5.00 | ug/L | | 8.37 | | | 18.3 | 20 |
| Cadmium | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Chromium | <30.0 | U | 30.0 | ug/L | | <30.0 | | | | 20 |
| Copper | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| Lead | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Nickel | 4.17 | J | 10.0 | ug/L | | 4.07 | | | 2.43 | 20 |
| Silver | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Thallium | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| **Duplicate (BFC1435-DUP2)** | | | **Source: 22A3944-19** | | Prepared: 3/10/2022 Analyzed: 3/14/2022 | | | | | |
| Beryllium | <2.00 | U | 2.00 | ug/L | | <2.00 | | | | 20 |
| Zinc | <20.0 | U | 20.0 | ug/L | | <20.0 | | | | 20 |
| **MRL Check (BFC1435-MRL1)** | | | | | Prepared: 3/10/2022 Analyzed: 3/14/2022 | | | | | |
| Antimony | 0.225 | J | 1.00 | ug/L | 0.200 | | 112 | | | |
| Arsenic | 0.0850 | J | 0.500 | ug/L | 0.100 | | 85.0 | | | |
| Cadmium | 0.0460 | J | 1.00 | ug/L | 0.0500 | | 92.0 | | | |
| Chromium | 0.0900 | J | 3.00 | ug/L | 0.0800 | | 112 | | | |
| Copper | 0.197 | J | 1.00 | ug/L | 0.200 | | 98.5 | | | |
| Lead | 0.110 | J | 0.500 | ug/L | 0.100 | | 110 | | | |
| Nickel | 1.06 | | 1.00 | ug/L | 0.0500 | | NR | | | |
| Silver | 0.0230 | J | 0.500 | ug/L | 0.0300 | | 76.7 | | | |
| Thallium | 0.0470 | J | 0.500 | ug/L | 0.0300 | | 157 | | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1435 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **MRL Check (BFC1435-MRL2)** | | | | | Prepared: 3/10/2022 Analyzed: 3/14/2022 | | | | | |
| Beryllium | 0.0100 | J | 0.200 | ug/L | 0.0100 | | 100 | | | |
| Zinc | 0.793 | J | 2.00 | ug/L | 0.200 | | 396 | | | |
| **Matrix Spike (BFC1435-MS1)** | | | **Source: 22A3944-19** | | Prepared: 3/10/2022 Analyzed: 3/14/2022 | | | | | |
| Antimony | 108 | | 10.0 | ug/L | 100 | <10.0 | 108 | 75-125 | | |
| Arsenic | 56.2 | | 5.00 | ug/L | 50.0 | 8.37 | 95.7 | 75-125 | | |
| Cadmium | 87.0 | | 10.0 | ug/L | 100 | <10.0 | 87.0 | 75-125 | | |
| Chromium | 305 | | 30.0 | ug/L | 300 | <30.0 | 102 | 75-125 | | |
| Copper | 93.3 | | 10.0 | ug/L | 100 | <10.0 | 93.3 | 75-125 | | |
| Lead | 42.8 | | 5.00 | ug/L | 50.0 | <5.00 | 85.6 | 75-125 | | |
| Nickel | 94.5 | | 10.0 | ug/L | 100 | 4.07 | 90.4 | 75-125 | | |
| Silver | 41.2 | | 5.00 | ug/L | 50.0 | <5.00 | 82.5 | 75-125 | | |
| Thallium | 43.3 | | 5.00 | ug/L | 50.0 | <5.00 | 86.7 | 75-125 | | |
| **Matrix Spike (BFC1435-MS2)** | | | **Source: 22A3944-19** | | Prepared: 3/10/2022 Analyzed: 3/14/2022 | | | | | |
| Beryllium | 19.0 | | 2.00 | ug/L | 20.0 | <2.00 | 95.1 | 75-125 | | |
| Zinc | 175 | | 20.0 | ug/L | 200 | <20.0 | 87.5 | 75-125 | | |
| ***Batch: BFC1943 - Cr VI*** | | | | | | | | | | |
| **BFB3010-BLK1 (BFC1943-LBK1)** | | | | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Chromium (VI) | 0.00965 | | 0.00300 | mg/L | | | | | | |
| **BFB3292-BLK1 (BFC1943-LBK2)** | | | | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Chromium (VI) | 0.00622 | | 0.00300 | mg/L | | | | | | |
| **Matrix Spike (BFC1943-MS1)** | | | **Source: 22C2241-02** | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Chromium (VI) | 0.256 | | 0.00300 | mg/L | 0.250 | 0.00180 | 102 | 70-130 | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1943 - Cr VI (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFC1943-MSD1)** | | **Source: 22C2241-02** | | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Chromium (VI) | 0.256 | | 0.00300 | mg/L | 0.250 | 0.00180 | 102 | 70-130 | 0.203 | 20 |
| ***Batch: SFC0024 - BFB3136*** | | | | | | | | | | |
| **Interference Check A (SFC0024-IFA1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | 0.221 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.100 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.0930 | | | ug/L | | | | 70-130 | | |
| Chromium | 4.45 | | | ug/L | | | | 70-130 | | |
| Copper | 0.197 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0710 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.516 | | | ug/L | | | | 70-130 | | |
| Silver | 0.0380 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.0180 | | | ug/L | | | | 70-130 | | |
| Zinc | 0.997 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0024-IFB1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Antimony | 107 | | | ug/L | 100 | | 107 | 70-130 | | |
| Arsenic | 50.2 | | | ug/L | 50.0 | | 100 | 70-130 | | |
| Cadmium | 98.0 | | | ug/L | 100 | | 98.0 | 70-130 | | |
| Chromium | 275 | | | ug/L | 300 | | 91.8 | 70-130 | | |
| Copper | 88.1 | | | ug/L | 100 | | 88.1 | 70-130 | | |
| Lead | 44.5 | | | ug/L | 50.0 | | 88.9 | 70-130 | | |
| Nickel | 85.6 | | | ug/L | 100 | | 85.6 | 70-130 | | |
| Silver | 50.2 | | | ug/L | 50.0 | | 100 | 70-130 | | |
| Thallium | 44.8 | | | ug/L | 50.0 | | 89.5 | 70-130 | | |
| Zinc | 170 | | | ug/L | 200 | | 84.8 | 70-130 | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFC0025 - BFC0175*** | | | | | | | | | | |
| **Interference Check A (SFC0025-IFA1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | 0.0110 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0025-IFB1)** | | | | | Prepared & Analyzed: 3/2/2022 | | | | | |
| Beryllium | 14.9 | | | ug/L | 20.0 | | 74.6 | 70-130 | | |
| ***Batch: SFC0056 - BFC0948*** | | | | | | | | | | |
| **Interference Check A (SFC0056-IFA1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Antimony | 0.184 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.0450 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.0500 | | | ug/L | | | | 70-130 | | |
| Chromium | 4.67 | | | ug/L | | | | 70-130 | | |
| Copper | 0.154 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0450 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.486 | | | ug/L | | | | 70-130 | | |
| Silver | 0.0220 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.00600 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0056-IFB1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Antimony | 103 | | | ug/L | 100 | | 103 | 70-130 | | |
| Arsenic | 53.8 | | | ug/L | 50.0 | | 108 | 70-130 | | |
| Cadmium | 95.3 | | | ug/L | 100 | | 95.3 | 70-130 | | |
| Chromium | 327 | | | ug/L | 300 | | 109 | 70-130 | | |
| Copper | 96.1 | | | ug/L | 100 | | 96.1 | 70-130 | | |
| Lead | 48.0 | | | ug/L | 50.0 | | 95.9 | 70-130 | | |
| Nickel | 98.0 | | | ug/L | 100 | | 98.0 | 70-130 | | |
| Silver | 48.1 | | | ug/L | 50.0 | | 96.1 | 70-130 | | |
| Thallium | 47.6 | | | ug/L | 50.0 | | 95.2 | 70-130 | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFC0066 - BFC0948*** | | | | | | | | | | |
| **Interference Check A (SFC0066-IFA1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Beryllium | 0.00 | U | | ug/L | | | | 70-130 | | |
| Zinc | 3.82 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0066-IFB1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Beryllium | 16.9 | | | ug/L | 20.0 | | 84.7 | 70-130 | | |
| Zinc | 184 | | | ug/L | 200 | | 92.0 | 70-130 | | |
| ***Batch: SFC0135 - BFC1061*** | | | | | | | | | | |
| **Interference Check A (SFC0135-IFA1)** | | | | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Antimony | 0.186 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.102 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.0430 | | | ug/L | | | | 70-130 | | |
| Chromium | 4.33 | | | ug/L | | | | 70-130 | | |
| Copper | 0.182 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0500 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.457 | | | ug/L | | | | 70-130 | | |
| Silver | 0.0170 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.0100 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0135-IFB1)** | | | | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Antimony | 113 | | | ug/L | 100 | | 113 | 70-130 | | |
| Arsenic | 51.0 | | | ug/L | 50.0 | | 102 | 70-130 | | |
| Cadmium | 94.6 | | | ug/L | 100 | | 94.6 | 70-130 | | |
| Chromium | 291 | | | ug/L | 300 | | 96.9 | 70-130 | | |
| Copper | 93.4 | | | ug/L | 100 | | 93.4 | 70-130 | | |
| Lead | 44.9 | | | ug/L | 50.0 | | 89.8 | 70-130 | | |
| Nickel | 92.6 | | | ug/L | 100 | | 92.6 | 70-130 | | |
| Silver | 46.7 | | | ug/L | 50.0 | | 93.3 | 70-130 | | |
| Thallium | 46.5 | | | ug/L | 50.0 | | 93.0 | 70-130 | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFC0138 - BFC1061*** | | | | | | | | | | |
| **Interference Check A (SFC0138-IFA1)** | | | | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Beryllium | 0.00100 | | | ug/L | | | | 70-130 | | |
| Zinc | 3.32 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0138-IFB1)** | | | | | Prepared & Analyzed: 3/14/2022 | | | | | |
| Beryllium | 16.7 | | | ug/L | 20.0 | | 83.4 | 70-130 | | |
| Zinc | 183 | | | ug/L | 200 | | 91.7 | 70-130 | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Total

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3096 - EPA 245.1*** | | | | | | | | | | |
| **Blank (BFB3096-BLK1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | | | | | |
| **LCS (BFB3096-BS1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Mercury | 5.41 | | 0.200 | ug/L | 5.00 | | 108 | 85-115 | | |
| **Duplicate (BFB3096-DUP1)** | | | **Source: 22A3944-10** | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **MDL Check (BFB3096-MRL1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | 0.100 | | | | | |
| **Matrix Spike (BFB3096-MS1)** | | | **Source: 22A3944-10** | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Mercury | 5.42 | | 0.200 | ug/L | 5.00 | <0.200 | 108 | 70-130 | | |
| ***Batch: BFB3630 - EPA 200.8*** | | | | | | | | | | |
| **Blank (BFB3630-BLK1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | <5.00 | U | 5.00 | ug/L | | | | | | |
| **LCS (BFB3630-BS1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 193 | | 5.00 | ug/L | 200 | | 96.7 | 85-115 | | |
| **Duplicate (BFB3630-DUP1)** | | | **Source: 22A3944-10** | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 3.52 | J | 25.0 | ug/L | | 3.07 | | | 13.6 | 20 |
| **MRL Check (BFB3630-MRL1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 0.690 | J | 5.00 | ug/L | 0.330 | | 209 | | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3630 - EPA 200.8 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFB3630-MS1)** | | **Source: 22A3944-10** | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 1930 | J1 | 50.0 | ug/L | 200 | <50.0 | 965 | 75-125 | | |
| ***Batch: BFC0003 - EPA 245.1*** | | | | | | | | | | |
| **Blank (BFC0003-BLK1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | | | | | |
| **LCS (BFC0003-BS1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | 4.52 | | 0.200 | ug/L | 5.00 | | 90.4 | 85-115 | | |
| **Duplicate (BFC0003-DUP1)** | | **Source: 22A3944-08** | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **Duplicate (BFC0003-DUP2)** | | **Source: 22A3944-12** | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **MRL Check (BFC0003-MRL1)** | | | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | 0.154 | J | 0.200 | ug/L | 0.100 | | 154 | | | |
| **Matrix Spike (BFC0003-MS1)** | | **Source: 22A3944-08** | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | 4.95 | | 0.200 | ug/L | 5.00 | <0.200 | 99.0 | 70-130 | | |
| **Matrix Spike (BFC0003-MS2)** | | **Source: 22A3944-12** | | | Prepared & Analyzed: 3/8/2022 | | | | | |
| Mercury | 5.20 | | 0.200 | ug/L | 5.00 | <0.200 | 104 | 70-130 | | |
| ***Batch: BFC0947 - EPA 200.8*** | | | | | | | | | | |
| **Blank (BFC0947-BLK1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Selenium | <5.00 | U | 5.00 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0947 - EPA 200.8 (Continued)*** | | | | | | | | | | |
| **LCS (BFC0947-BS1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Selenium | 204 | | 5.00 | ug/L | 200 | | 102 | 85-115 | | |
| **Duplicate (BFC0947-DUP1)** | | **Source: 22A3944-18** | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Selenium | <50.0 | U | 50.0 | ug/L | | <50.0 | | | | 20 |
| **MRL Check (BFC0947-MRL1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Selenium | 0.148 | J | 5.00 | ug/L | 0.330 | | 44.8 | | | |
| **Matrix Spike (BFC0947-MS1)** | | **Source: 22A3944-18** | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Selenium | 206 | | 50.0 | ug/L | 200 | <50.0 | 103 | 75-125 | | |
| ***Batch: BFC1270 - EPA 245.1*** | | | | | | | | | | |
| **Blank (BFC1270-BLK1)** | | | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | | | | | |
| **LCS (BFC1270-BS1)** | | | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Mercury | 5.39 | | 0.200 | ug/L | 5.00 | | 108 | 85-115 | | |
| **Duplicate (BFC1270-DUP1)** | | **Source: 22B3342-08** | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **MRL Check (BFC1270-MRL1)** | | | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | 0.100 | | | | | |
| **Matrix Spike (BFC1270-MS1)** | | **Source: 22B3342-08** | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Mercury | 5.10 | | 0.200 | ug/L | 5.00 | <0.200 | 102 | 70-130 | | |

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## Quality Control
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### Elutriate Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1393 - EPA 200.8*** | | | | | | | | | | |
| **Blank (BFC1393-BLK1)** | | | | | Prepared: 3/10/2022 Analyzed: 3/11/2022 | | | | | |
| Selenium | <5.00 | U | 5.00 | ug/L | | | | | | |
| **LCS (BFC1393-BS1)** | | | | | Prepared: 3/10/2022 Analyzed: 3/11/2022 | | | | | |
| Selenium | 205 | | 5.00 | ug/L | 200 | | 103 | 85-115 | | |
| **Duplicate (BFC1393-DUP1)** | | **Source: 22A3944-19** | | | Prepared: 3/10/2022 Analyzed: 3/11/2022 | | | | | |
| Selenium | <50.0 | U | 50.0 | ug/L | | <50.0 | | | | 20 |
| **MRL Check (BFC1393-MRL1)** | | | | | Prepared: 3/10/2022 Analyzed: 3/11/2022 | | | | | |
| Selenium | 0.457 | J | 5.00 | ug/L | 0.330 | | 138 | | | |
| **Matrix Spike (BFC1393-MS1)** | | **Source: 22A3944-19** | | | Prepared: 3/10/2022 Analyzed: 3/11/2022 | | | | | |
| Selenium | 169 | | 50.0 | ug/L | 200 | <50.0 | 84.7 | 75-125 | | |
| ***Batch: SFB0279 - BFB2766*** | | | | | | | | | | |
| **Interference Check A (SFB0279-IFA1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Selenium | 0.257 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFB0279-IFB1)** | | | | | Prepared & Analyzed: 2/21/2022 | | | | | |
| Selenium | 191 | | | ug/L | 200 | | 95.5 | 70-130 | | |
| ***Batch: SFB0359 - BFB2979*** | | | | | | | | | | |
| **Interference Check A (SFB0359-IFA1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 0.0210 | | | ug/L | | | | 70-130 | | |

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## Quality Control
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### Elutriate Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SFB0359 - BFB2979 (Continued)*** | | | | | | | | | | |
| **Interference Check B (SFB0359-IFB1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Selenium | 189 | | | ug/L | 200 | | 94.6 | 70-130 | | |
| ***Batch: SFC0056 - BFC0948*** | | | | | | | | | | |
| **Interference Check A (SFC0056-IFA1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Selenium | 0.0620 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0056-IFB1)** | | | | | Prepared & Analyzed: 3/7/2022 | | | | | |
| Selenium | 215 | | | ug/L | 200 | | 108 | 70-130 | | |
| ***Batch: SFC0123 - BFC1061*** | | | | | | | | | | |
| **Interference Check A (SFC0123-IFA1)** | | | | | Prepared & Analyzed: 3/11/2022 | | | | | |
| Selenium | -0.180 | U | | ug/L | | | | 70-130 | | |
| **Interference Check B (SFC0123-IFB1)** | | | | | Prepared & Analyzed: 3/11/2022 | | | | | |
| Selenium | 207 | | | ug/L | 200 | | 103 | 70-130 | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate General Chemistry

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFB3631 - NH3-N SEAL-350.1*** | | | | | | | | | | |
| **BFB3292-LBK1 (BFB3631-LBK1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Ammonia as N | <0.0500 | U | 0.0500 | mg/L | | | | | | |
| **MRL Check (BFB3631-MRL1)** | | | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Ammonia as N | 0.0325 | | | mg/L | 0.0500 | | 65.0 | 50-150 | | |
| **Matrix Spike (BFB3631-MS1)** | | **Source: 22B0339-01** | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Ammonia as N | 17.2 | J1 | 1.00 | mg/L | 0.400 | 16.9 | 75.0 | 90-110 | | |
| **Matrix Spike (BFB3631-MS2)** | | **Source: 22B0053-04** | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Ammonia as N | 1.25 | J1 | 0.100 | mg/L | 0.400 | 0.913 | 83.1 | 90-110 | | |
| **Matrix Spike Dup (BFB3631-MSD1)** | | **Source: 22B0339-01** | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Ammonia as N | 17.3 | J1 | 1.00 | mg/L | 0.400 | 16.9 | 81.8 | 90-110 | 0.157 | 20 |
| **Matrix Spike Dup (BFB3631-MSD2)** | | **Source: 22B0053-04** | | | Prepared & Analyzed: 2/28/2022 | | | | | |
| Ammonia as N | 1.22 | J1 | 0.100 | mg/L | 0.400 | 0.913 | 77.2 | 90-110 | 1.93 | 20 |
| ***Batch: BFC0108 - TSS*** | | | | | | | | | | |
| **Blank (BFC0108-BLK1)** | | | | | Prepared: 3/1/2022 Analyzed: 3/2/2022 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **LCS (BFC0108-BS1)** | | | | | Prepared: 3/1/2022 Analyzed: 3/2/2022 | | | | | |
| Residue-nonfilterable (TSS) | 98.4 | | 1.00 | mg/L | 100 | | 98.4 | 85-115 | | |
| **Duplicate (BFC0108-DUP1)** | | **Source: 22C0198-01** | | | Prepared: 3/1/2022 Analyzed: 3/2/2022 | | | | | |
| Residue-nonfilterable (TSS) | 1.47 | | 1.00 | mg/L | | 1.47 | | | 0.00 | 10 |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC0108 - TSS (Continued)*** | | | | | | | | | | |
| **Duplicate (BFC0108-DUP2)** | | | **Source: 22C0930-02** | | Prepared: 3/1/2022 Analyzed: 3/2/2022 | | | | | |
| Residue-nonfilterable (TSS) | 3.16 | | 1.00 | mg/L | | 3.16 | | | 0.00 | 10 |
| ***Batch: BFC0770 - TSS*** | | | | | | | | | | |
| **Blank (BFC0770-BLK1)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **Blank (BFC0770-BLK2)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **LCS (BFC0770-BS1)** | | | | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Residue-nonfilterable (TSS) | 99.4 | | 1.00 | mg/L | 100 | | 99.4 | 85-115 | | |
| **Duplicate (BFC0770-DUP1)** | | | **Source: 22C0092-02** | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Residue-nonfilterable (TSS) | 6.22 | | 1.00 | mg/L | | 6.00 | | | 3.64 | 10 |
| **Duplicate (BFC0770-DUP2)** | | | **Source: 22C1344-07** | | Prepared & Analyzed: 3/4/2022 | | | | | |
| Residue-nonfilterable (TSS) | 2.44 | | 1.00 | mg/L | | 2.66 | | | 8.45 | 10 |
| ***Batch: BFC1312 - TSS*** | | | | | | | | | | |
| **Blank (BFC1312-BLK1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **BFC1063 (BFC1312-BLK2)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Residue-nonfilterable (TSS) | 26.2 | | 1.00 | mg/L | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Quality Control
**(Continued)**

### Elutriate General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFC1312 - TSS (Continued)*** | | | | | | | | | | |
| **LCS (BFC1312-BS1)** | | | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Residue-nonfilterable (TSS) | 98.8 | | 1.00 | mg/L | 100 | | 98.8 | 85-115 | | |
| **Duplicate (BFC1312-DUP1)** | | **Source: 22A3944-19** | | | Prepared & Analyzed: 3/9/2022 | | | | | |
| Residue-nonfilterable (TSS) | 5.56 | | 1.00 | mg/L | | 5.78 | | | 3.92 | 10 |
| ***Batch: BFC2072 - NH3-N SEAL-350.1*** | | | | | | | | | | |
| **BFC0552-LBK1 (BFC2072-LBK1)** | | | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | <0.0500 | U | 0.0500 | mg/L | | | | | | |
| **MRL Check (BFC2072-MRL1)** | | | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | 0.0378 | | | mg/L | 0.0500 | | 75.6 | 50-150 | | |
| **Matrix Spike (BFC2072-MS1)** | | **Source: 22A3944-19** | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | 0.111 | J1 | 0.0500 | mg/L | 0.400 | 0.0552 | 14.0 | 90-110 | | |
| **Matrix Spike (BFC2072-MS2)** | | **Source: 22B3342-06** | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | 0.905 | | 0.0500 | mg/L | 0.400 | 0.520 | 96.2 | 90-110 | | |
| **Matrix Spike Dup (BFC2072-MSD1)** | | **Source: 22A3944-19** | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | 0.0486 | J1, J | 0.0500 | mg/L | 0.400 | 0.0552 | NR | 90-110 | 78.5 | 20 |
| **Matrix Spike Dup (BFC2072-MSD2)** | | **Source: 22B3342-06** | | | Prepared & Analyzed: 3/16/2022 | | | | | |
| Ammonia as N | 0.892 | | 0.0500 | mg/L | 0.400 | 0.520 | 93.1 | 90-110 | 1.38 | 20 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

# Sample Condition Checklist

**Work Order: 22A3944**

| Check Points | |
|---|---|
| Yes | Custody Seals |
| Yes | Containers Intact |
| Yes | COC/Labels Agree |
| Yes | Received On Ice |
| Yes | Appropriate Containers |
| Yes | Appropriate Sample Volume |
| Yes | Coolers Intact |
| Yes | Samples Accepted |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP 2022 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/06/2022 14:37 |

## Term and Qualifier Definitions

| Item | Definition |
|---|---|
| A | Detection limit elevated due to abundance of non-target analyte. |
| B | Analyte was found in the associated method blank. |
| B1 | Associated method blank is lower than the established quality control criteria. |
| CQ | Associated calibration QC is higher than the established quality control criteria for accuracy - no hit in samples; data not affected and acceptable to report. |
| CQa | Calibration R2 less than 0.99 |
| CQb | CCV out of control high, no hit in sample, data unaffected |
| CQc | ICAL#1 was removed, so the MRL was raised to ICAL#2 (from 0.5625 to 1.125) |
| CQd | The analyte was detected in both sample and leach blank |
| CQe | The analyte was found in the associated leach blank. |
| H | The parameter was analyzed outside the method specified holding time. |
| HR | The rerun parameter was analyzed outside the method specified holding time. |
| J | Estimated value - The reported value is between the detection limit and reporting limit. |
| J1 | Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision. |
| L | Off scale high - The concentration of the analyte exceeds the linear range. |
| R | The sample result was rejected. A rerun is being performed. |
| S | The surrogate recovery was outside the established laboratory recovery limit. |
| U | Non-detected compound. |
| V | Analyte was detected in both sample and method blank. |
| RPD | Relative Percent Difference |
| %REC | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated |
| * | A = Accredited, N = Not Accredited or Accreditation not available |
| DF | Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content |
| MDL | Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B. |
| SDL | Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL. |
| MRL | Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard. |
| LRL | Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL. |

April 1, 2022

Ms. Monica Martin

Re: North Water District Laboratory Services, Inc. (NWDLS)
NWDLS Geosciences Lab Testing – Task Order #01
Project #22A3944

The Taylor Engineering Coastal & Marine Geosciences Laboratory is pleased to submit the following sediment data for NWDLS project #22A3944. Taylor Engineering received 13 samples for analysis in Jacksonville, Florida on March 9th, 2022. Laboratory testing included sieve and hydrometer analysis according to ASTM D-422. Attached to this letter are the individual test results for each sample.

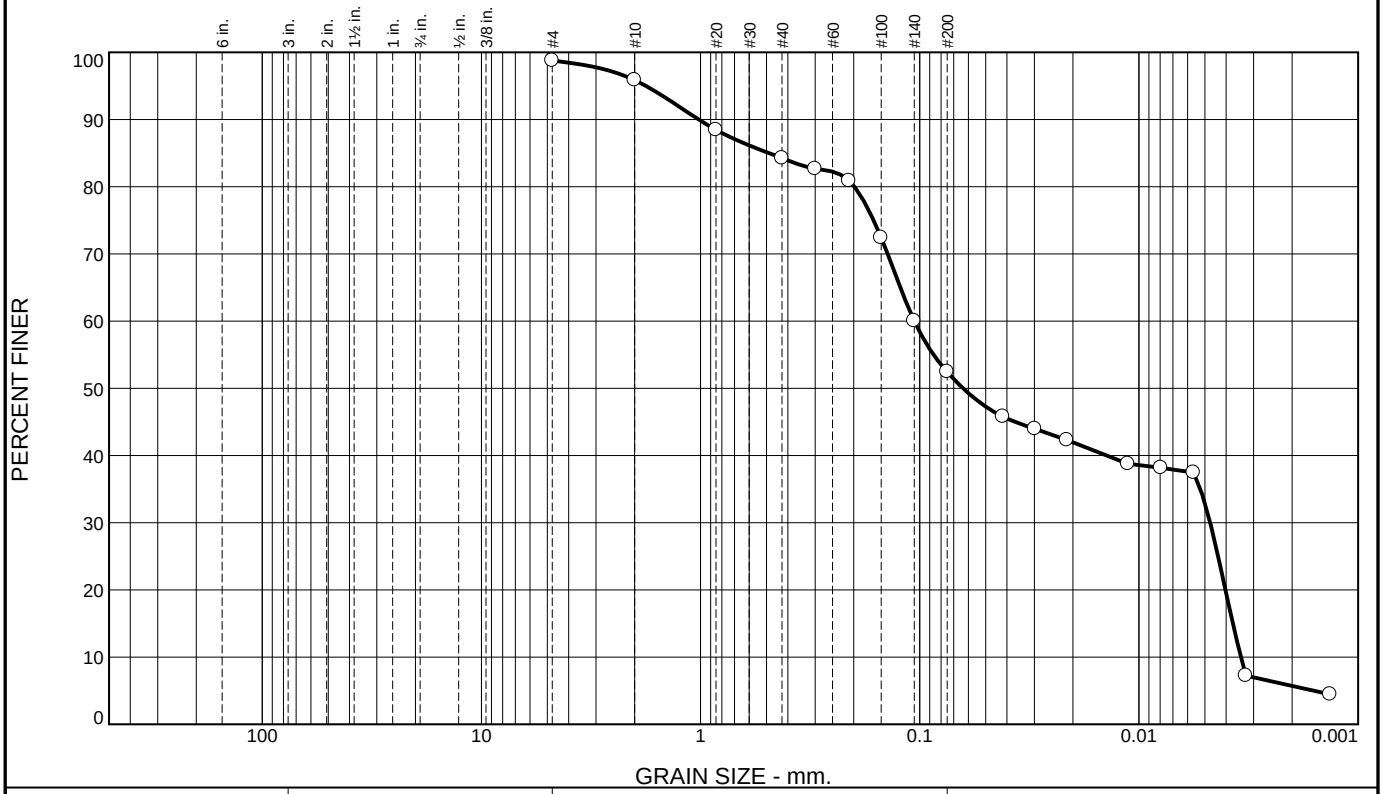
If any additional information is needed or if you have any questions, please contact me at (904) 731-7040 or wwarren@taylorengineering.com.

Sincerely,



William Warren, P.G.
Project Geologist
Coastal & Marine Geosciences Lab Manager

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 1.2 | 2.9 | 11.6 | 31.9 | 19.5 | 32.9 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 98.8 | | |
| #10 | 95.9 | | |
| #20 | 88.5 | | |
| #40 | 84.3 | | |
| #50 | 82.7 | | |
| #70 | 80.9 | | |
| #100 | 72.4 | | |
| #140 | 60.0 | | |
| #200 | 52.4 | | |
| 0.0418 mm. | 45.8 | | |
| 0.0298 mm. | 44.0 | | |
| 0.0213 mm. | 42.3 | | |
| 0.0112 mm. | 38.8 | | |
| 0.0079 mm. | 38.2 | | |
| 0.0056 mm. | 37.5 | | |
| 0.0033 mm. | 7.2 | | |
| 0.0013 mm. | 4.5 | | |

* (no specification provided)

**Soil Description**

Lean clay, some fine-grained quartz sand, little silt, trace fine gravel-size shell fragments, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 1.0201 $D_{85}$= 0.4881 $D_{60}$= 0.1059
$D_{50}$= 0.0635 $D_{30}$= 0.0047 $D_{15}$= 0.0037
$D_{10}$= 0.0034 $C_u$= 30.89 $C_c$= 0.06

**Classification**

USCS= CL AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 28

**Date:** 3/24/2022

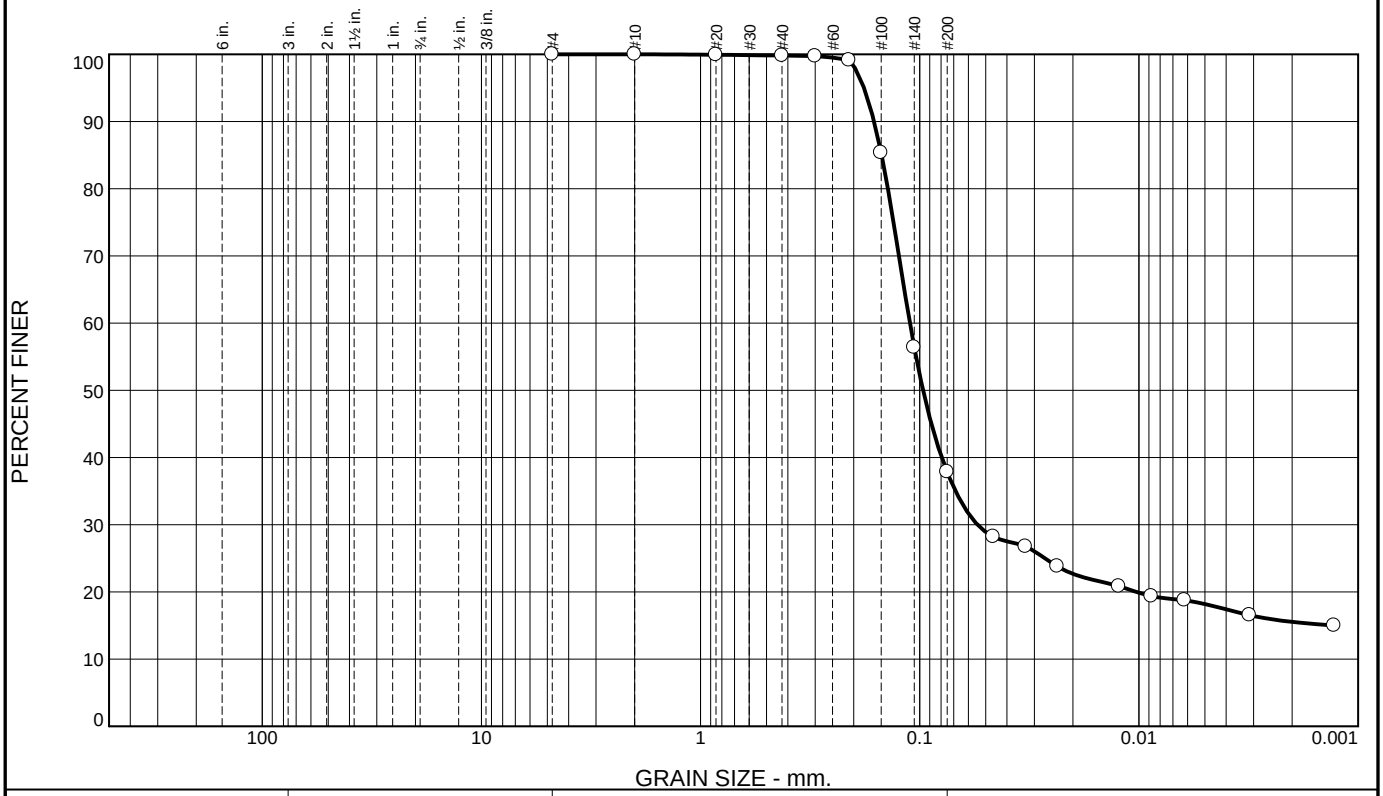
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 61.9 | 19.7 | 18.2 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.8 | | |
| #50 | 99.7 | | |
| #70 | 99.1 | | |
| #100 | 85.3 | | |
| #140 | 56.4 | | |
| #200 | 37.9 | | |
| 0.0462 mm. | 28.2 | | |
| 0.0329 mm. | 26.7 | | |
| 0.0236 mm. | 23.8 | | |
| 0.0123 mm. | 20.8 | | |
| 0.0088 mm. | 19.4 | | |
| 0.0062 mm. | 18.8 | | |
| 0.0031 mm. | 16.5 | | |
| 0.0013 mm. | 15.0 | | |

* (no specification provided)

**Soil Description**

Silty sand, mostly fine-grained quartz sand, little silt, little clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1615 $D_{85}$= 0.1493 $D_{60}$= 0.1109
$D_{50}$= 0.0967 $D_{30}$= 0.0545 $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 29

**Date:** 3/22/2022

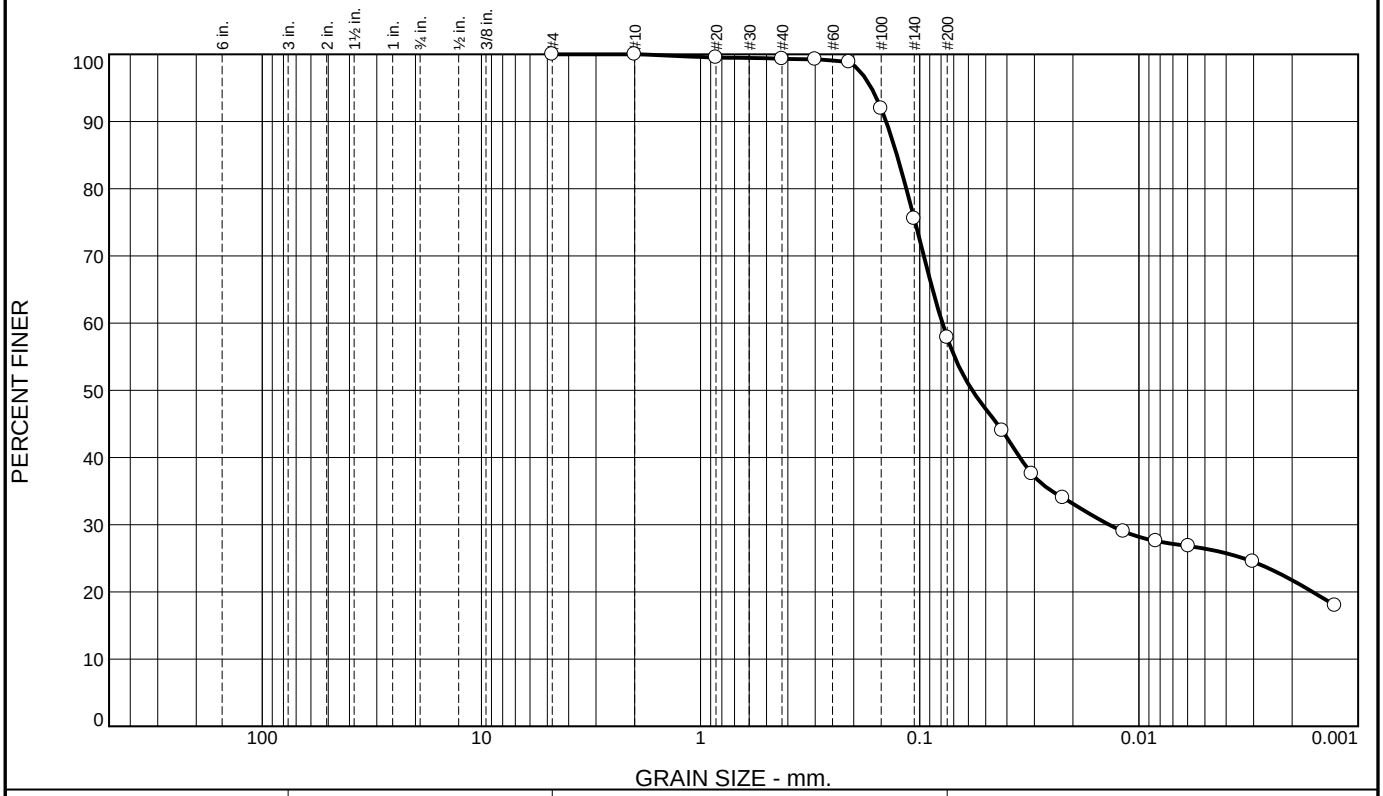
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 41.5 | 31.4 | 26.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.5 | | |
| #40 | 99.3 | | |
| #50 | 99.2 | | |
| #70 | 98.8 | | |
| #100 | 91.9 | | |
| #140 | 75.5 | | |
| #200 | 57.8 | | |
| 0.0421 mm. | 44.0 | | |
| 0.0308 mm. | 37.6 | | |
| 0.0222 mm. | 34.0 | | |
| 0.0118 mm. | 29.0 | | |
| 0.0084 mm. | 27.6 | | |
| 0.0059 mm. | 26.8 | | |
| 0.0030 mm. | 24.5 | | |
| 0.0013 mm. | 18.0 | | |

* (no specification provided)

**Soil Description**

Silt, some fine-grained quartz sand, little clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1424 $D_{85}$= 0.1271 $D_{60}$= 0.0789
$D_{50}$= 0.0576 $D_{30}$= 0.0137 $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 30

**Date:** 3/24/2022

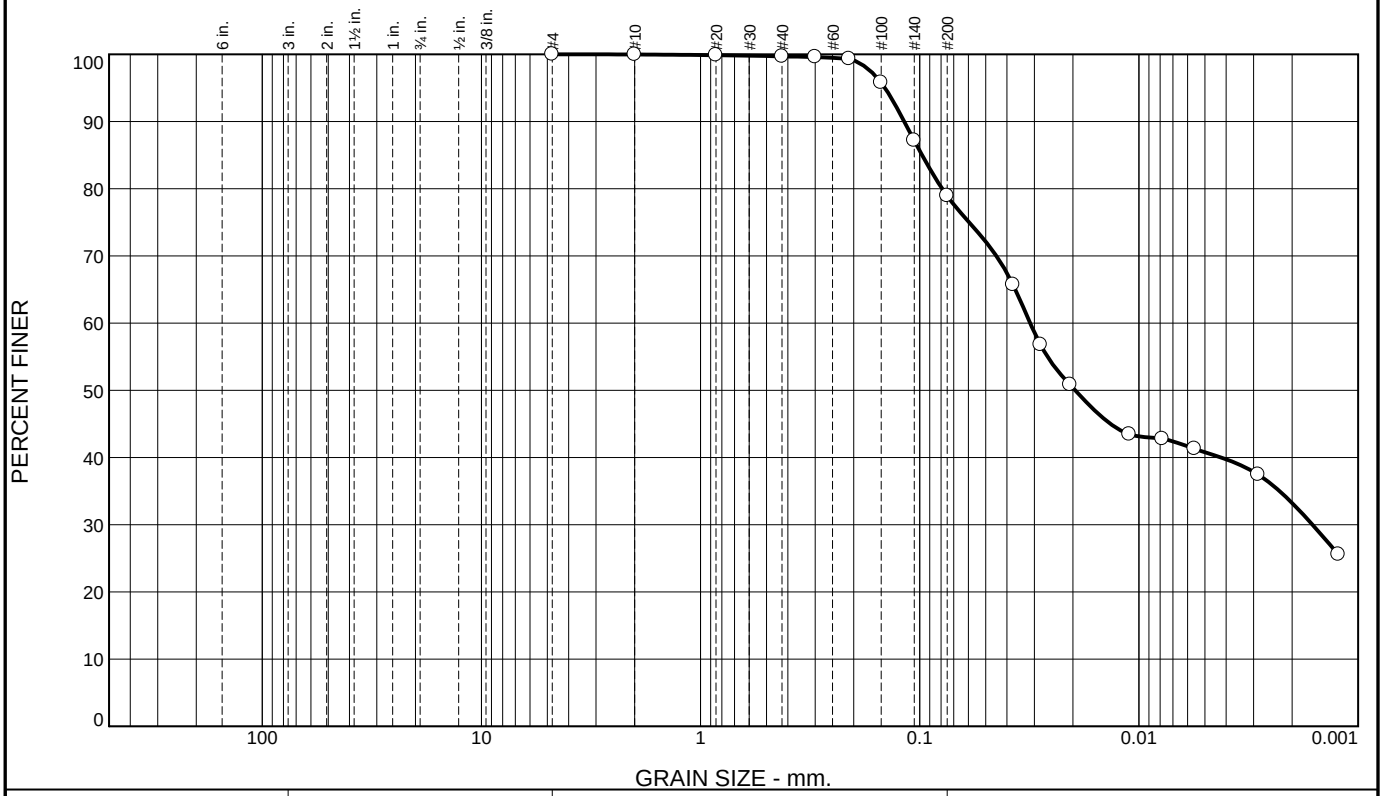
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 20.8 | 38.1 | 40.8 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.7 | | |
| #50 | 99.6 | | |
| #70 | 99.3 | | |
| #100 | 95.8 | | |
| #140 | 87.2 | | |
| #200 | 78.9 | | |
| 0.0375 mm. | 65.7 | | |
| 0.0281 mm. | 56.8 | | |
| 0.0206 mm. | 50.8 | | |
| 0.0111 mm. | 43.5 | | |
| 0.0078 mm. | 42.8 | | |
| 0.0056 mm. | 41.3 | | |
| 0.0029 mm. | 37.4 | | |
| 0.0012 mm. | 25.6 | | |

* (no specification provided)

**Soil Description**

Lean clay, some silt, little fine-grained quartz sand, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1177 $D_{85}$= 0.0976 $D_{60}$= 0.0314
$D_{50}$= 0.0195 $D_{30}$= 0.0016 $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= CL AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 32

**Date:** 3/22/2022

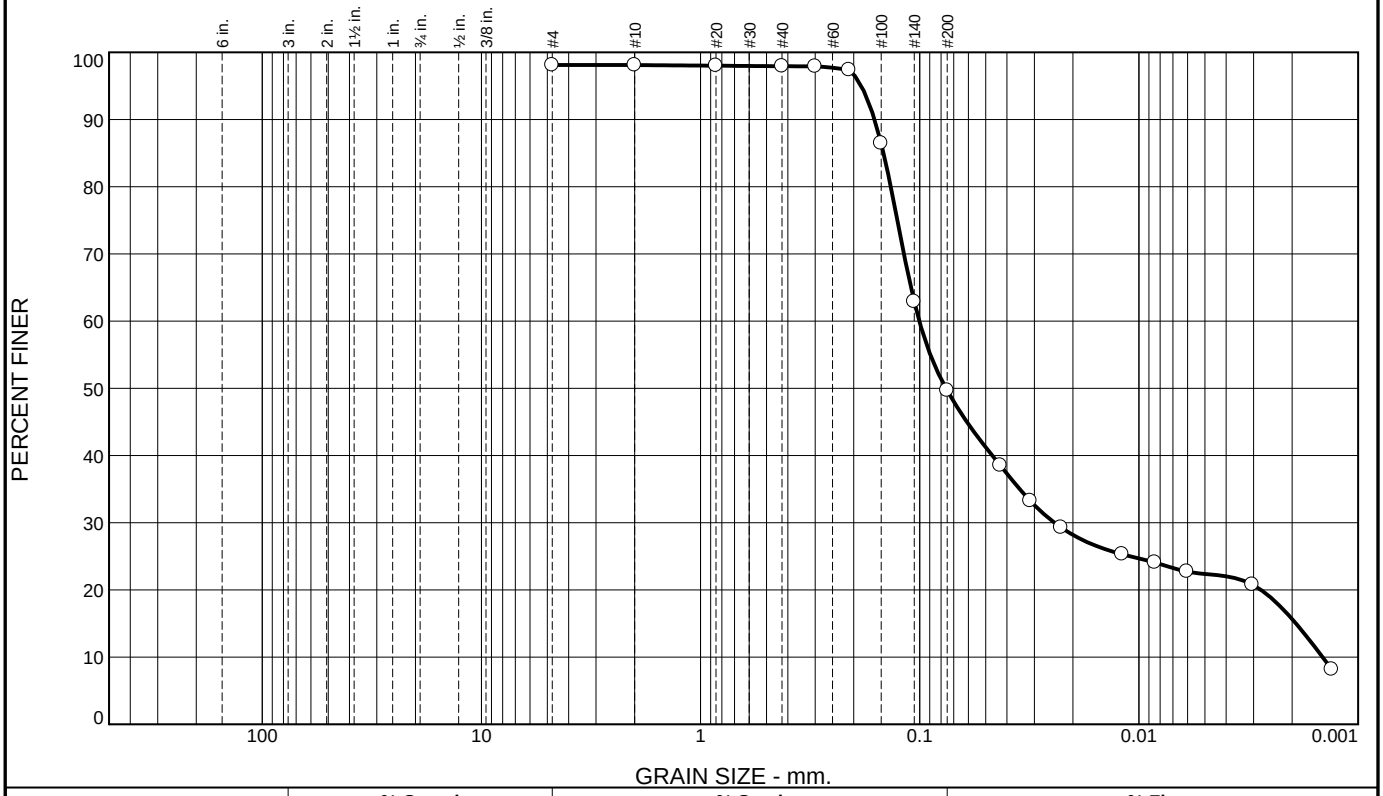
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 1.9 | 0.0 | 0.2 | 48.2 | 27.3 | 22.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 98.1 | | |
| #10 | 98.1 | | |
| #20 | 98.0 | | |
| #40 | 97.9 | | |
| #50 | 97.9 | | |
| #70 | 97.4 | | |
| #100 | 86.5 | | |
| #140 | 62.9 | | |
| #200 | 49.7 | | |
| 0.0430 mm. | 38.5 | | |
| 0.0313 mm. | 33.2 | | |
| 0.0226 mm. | 29.3 | | |
| 0.0119 mm. | 25.3 | | |
| 0.0085 mm. | 24.1 | | |
| 0.0060 mm. | 22.7 | | |
| 0.0030 mm. | 20.8 | | |
| 0.0013 mm. | 8.2 | | |

* (no specification provided)

**Soil Description**

Silt, some fine-grained quartz sand, little clay, trace fine gravel-size shell fragments, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1606 $D_{85}$= 0.1463 $D_{60}$= 0.1006
$D_{50}$= 0.0759 $D_{30}$= 0.0243 $D_{15}$= 0.0019
$D_{10}$= 0.0015 $C_u$= 69.23 $C_c$= 4.04

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 34

**Date:** 3/22/2022

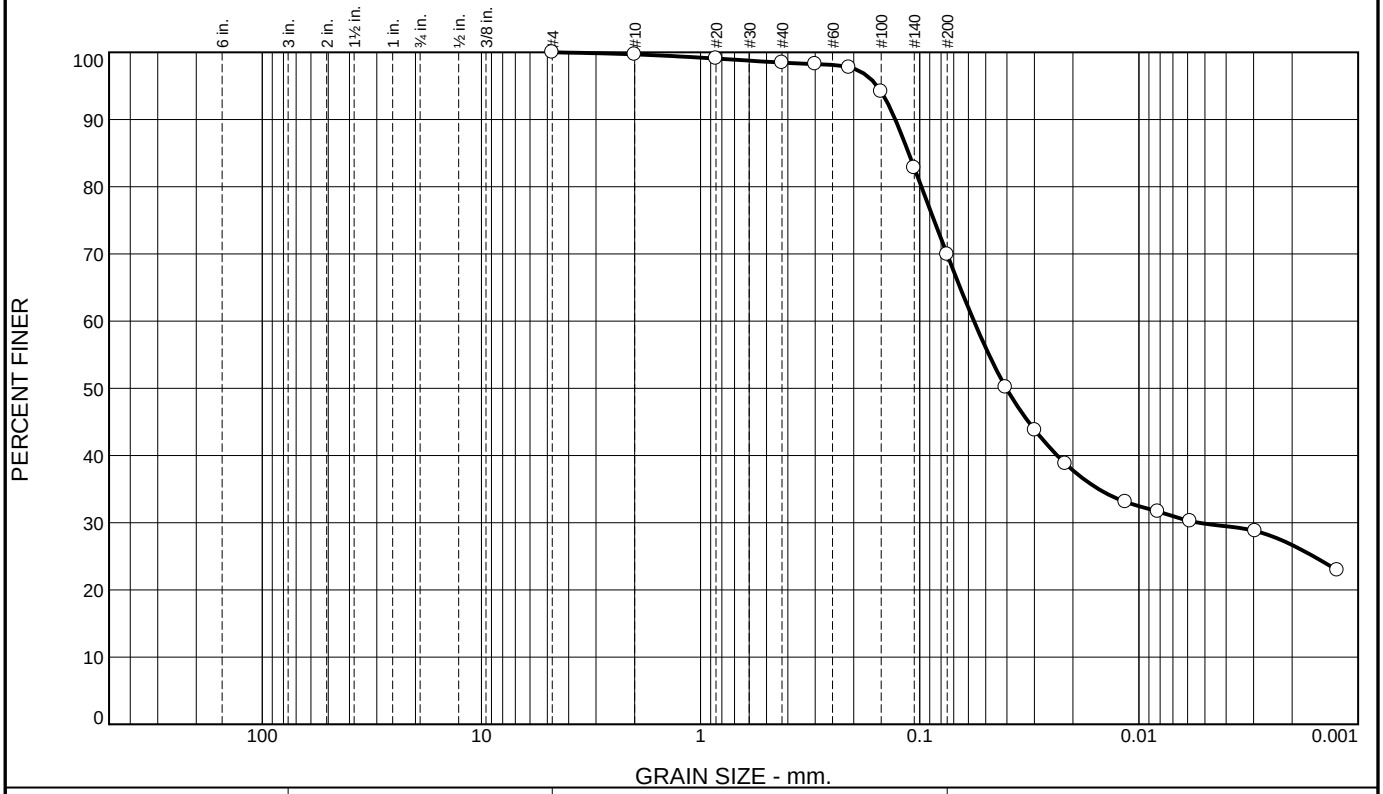
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.3 | 1.2 | 28.6 | 40.1 | 29.8 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.7 | | |
| #20 | 99.1 | | |
| #40 | 98.5 | | |
| #50 | 98.2 | | |
| #70 | 97.7 | | |
| #100 | 94.1 | | |
| #140 | 82.8 | | |
| #200 | 69.9 | | |
| 0.0406 mm. | 50.2 | | |
| 0.0298 mm. | 43.8 | | |
| 0.0217 mm. | 38.8 | | |
| 0.0115 mm. | 33.1 | | |
| 0.0082 mm. | 31.7 | | |
| 0.0058 mm. | 30.3 | | |
| 0.0029 mm. | 28.8 | | |
| 0.0012 mm. | 22.9 | | |

* (no specification provided)

**Soil Description**

Silt, some fine-grianed quartz sand, some clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1293 $D_{85}$= 0.1123 $D_{60}$= 0.0566
$D_{50}$= 0.0403 $D_{30}$= 0.0054 $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 36

**Date:** 3/22/2022

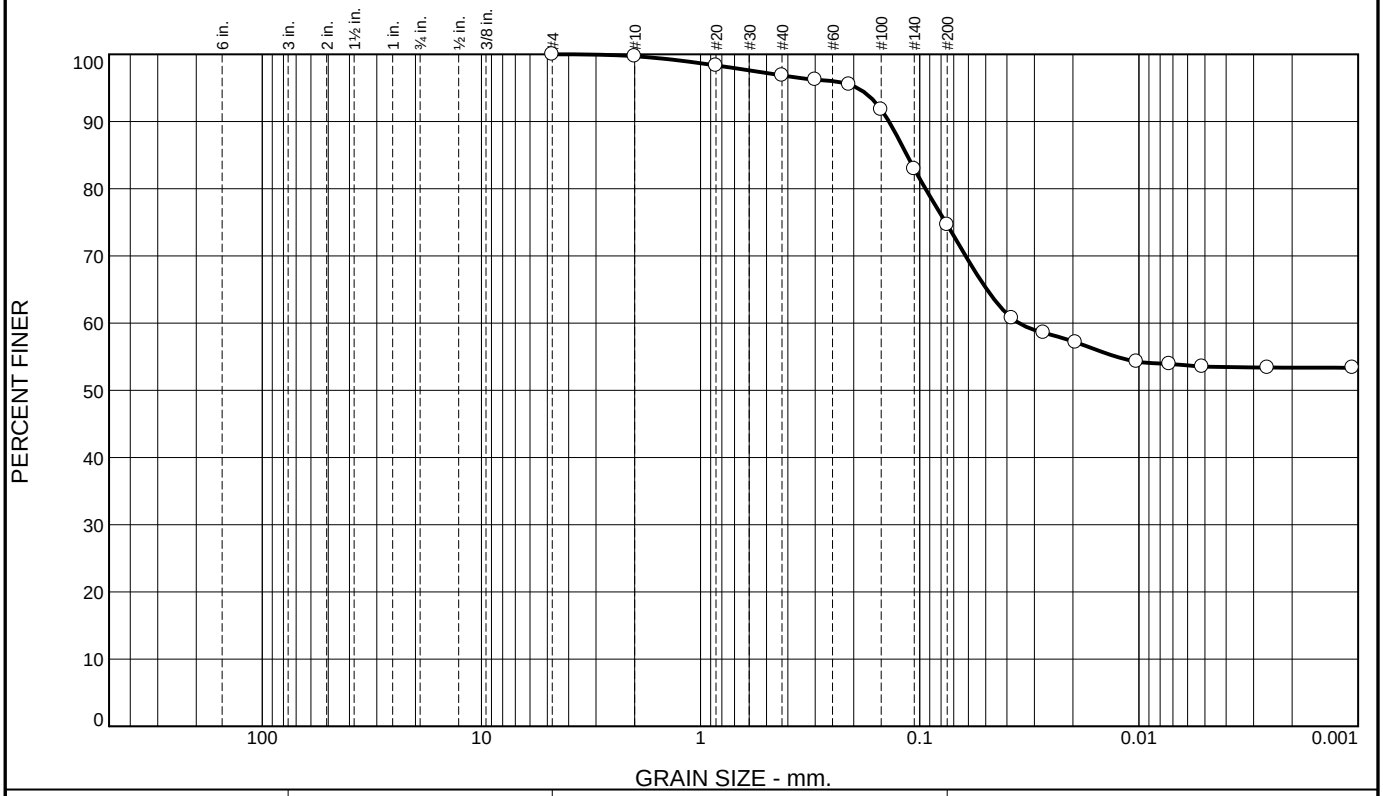
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.3 | 2.8 | 22.3 | 21.1 | 53.5 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.7 | | |
| #20 | 98.3 | | |
| #40 | 96.9 | | |
| #50 | 96.2 | | |
| #70 | 95.5 | | |
| #100 | 91.8 | | |
| #140 | 83.0 | | |
| #200 | 74.6 | | |
| 0.0380 mm. | 60.7 | | |
| 0.0273 mm. | 58.6 | | |
| 0.0195 mm. | 57.1 | | |
| 0.0102 mm. | 54.3 | | |
| 0.0073 mm. | 53.9 | | |
| 0.0052 mm. | 53.5 | | |
| 0.0026 mm. | 53.4 | | |
| 0.0011 mm. | 53.4 | | |

* (no specification provided)

**Soil Description**

Fat clay, little fine-grained quartz sand, little silt, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1382 $D_{85}$= 0.1144 $D_{60}$= 0.0353
$D_{50}$= $D_{30}$= $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= CH AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 38

**Date:** 3/23/2022

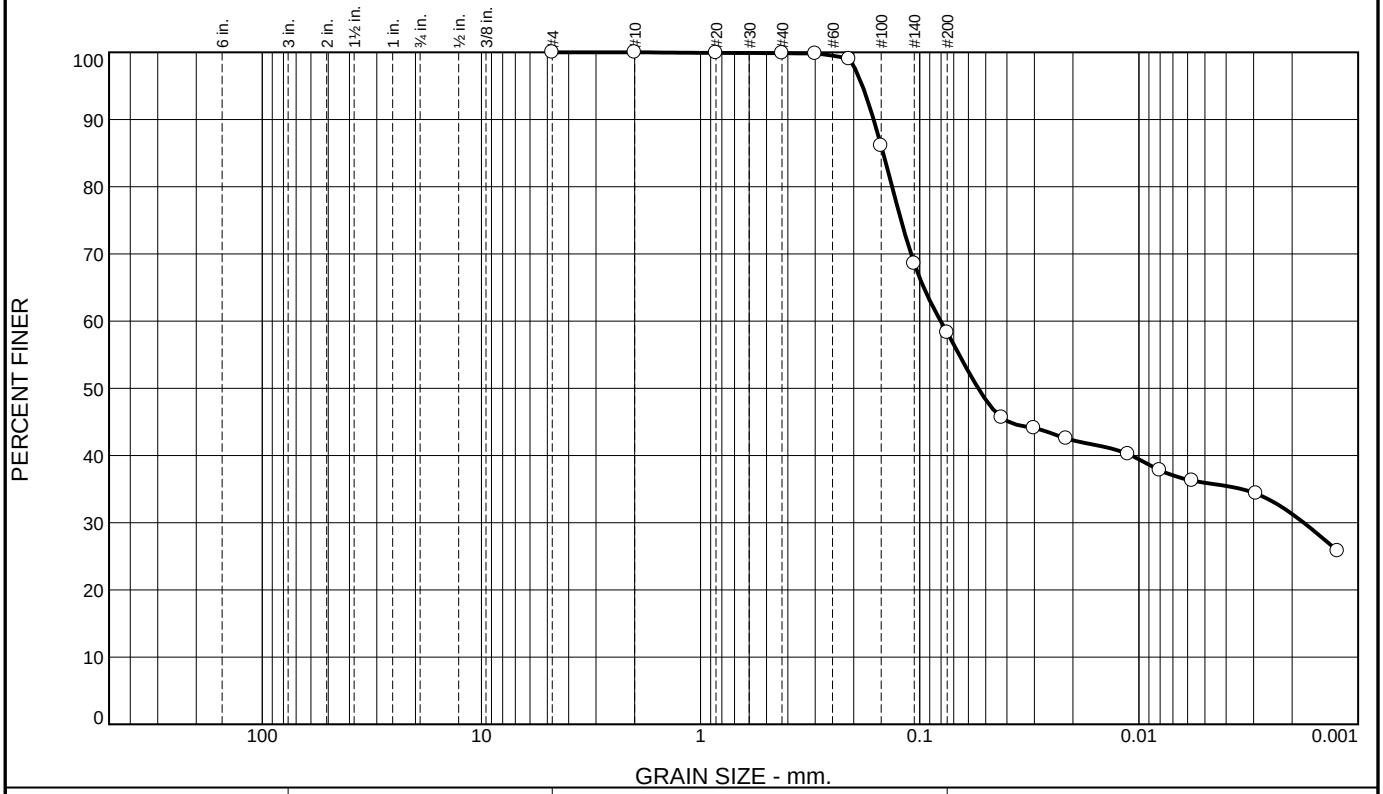
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** NEL **Checked By:** WFW

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 41.6 | 22.4 | 35.9 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.9 | | |
| #50 | 99.8 | | |
| #70 | 99.0 | | |
| #100 | 86.1 | | |
| #140 | 68.6 | | |
| #200 | 58.3 | | |
| 0.0423 mm. | 45.6 | | |
| 0.0301 mm. | 44.1 | | |
| 0.0215 mm. | 42.5 | | |
| 0.0112 mm. | 40.2 | | |
| 0.0080 mm. | 37.8 | | |
| 0.0057 mm. | 36.3 | | |
| 0.0029 mm. | 34.3 | | |
| 0.0012 mm. | 25.8 | | |

* (no specification provided)

**Soil Description**

Lean clay, some fine-grained quartz sand, little silt, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1623 $D_{85}$= 0.1469 $D_{60}$= 0.0802
$D_{50}$= 0.0541 $D_{30}$= 0.0018 $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= CL AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 40

**Date:** 3/22/2022

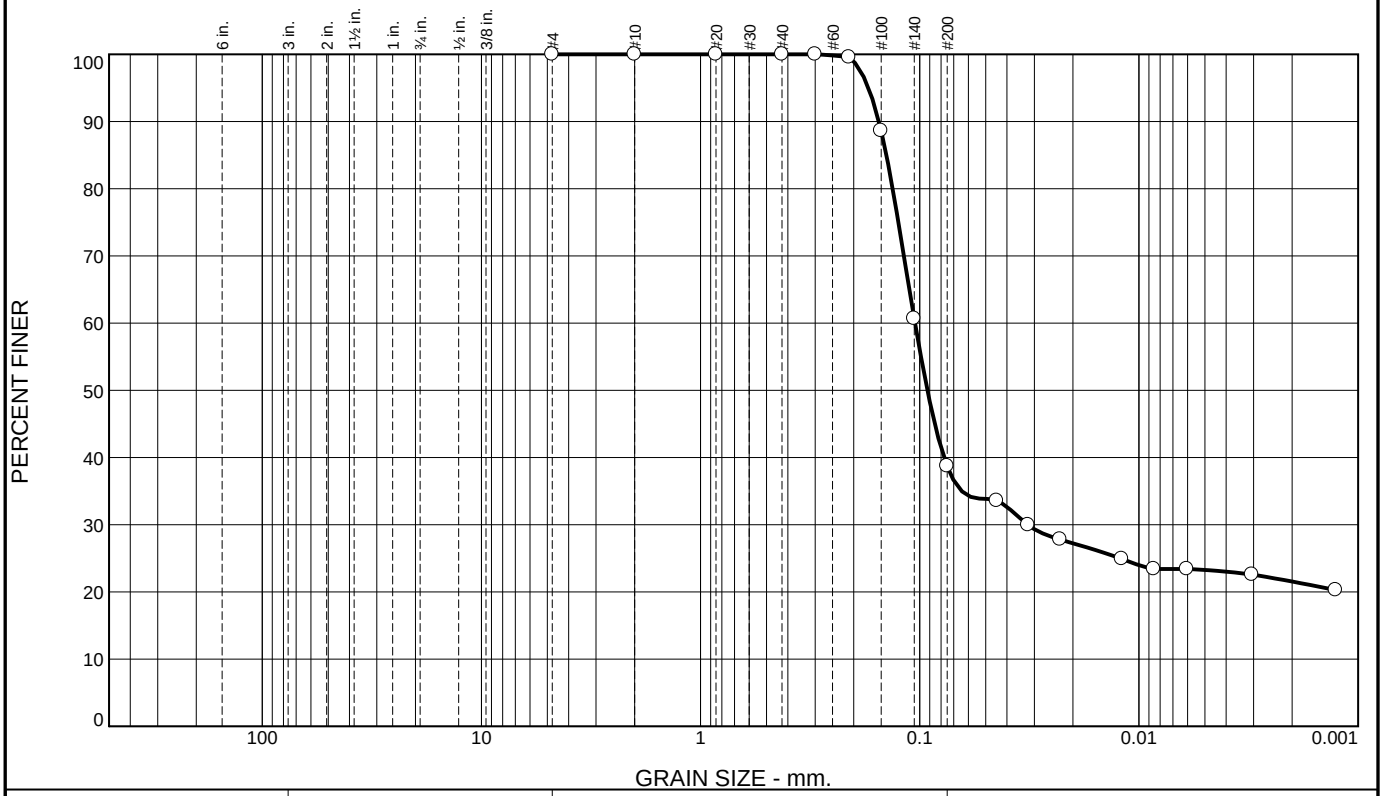
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 61.3 | 15.4 | 23.3 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 100.0 | | |
| #50 | 100.0 | | |
| #70 | 99.6 | | |
| #100 | 88.6 | | |
| #140 | 60.7 | | |
| #200 | 38.7 | | |
| 0.0445 mm. | 33.6 | | |
| 0.0320 mm. | 30.0 | | |
| 0.0229 mm. | 27.8 | | |
| 0.0120 mm. | 24.9 | | |
| 0.0085 mm. | 23.4 | | |
| 0.0060 mm. | 23.4 | | |
| 0.0030 mm. | 22.6 | | |
| 0.0013 mm. | 20.3 | | |

* (no specification provided)

**Soil Description**

Clayey sand, mostly fine-grained quartz sand, little clay, little silt, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1536 $D_{85}$= 0.1420 $D_{60}$= 0.1052
$D_{50}$= 0.0923 $D_{30}$= 0.0322 $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 41

**Date:** 3/24/2022

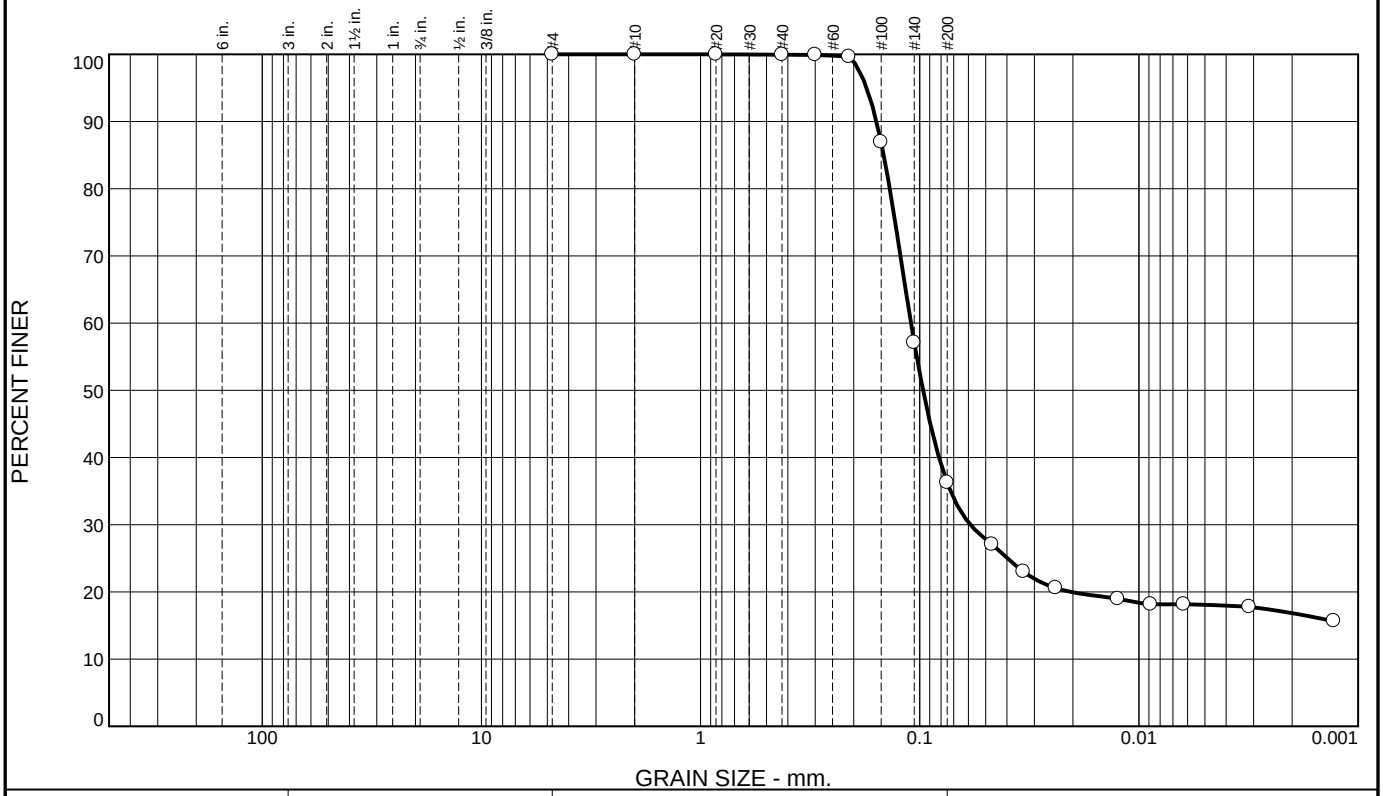
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 63.6 | 18.2 | 18.1 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 99.9 | | |
| #50 | 99.9 | | |
| #70 | 99.6 | | |
| #100 | 86.9 | | |
| #140 | 57.1 | | |
| #200 | 36.3 | | |
| 0.0468 mm. | 27.1 | | |
| 0.0336 mm. | 23.0 | | |
| 0.0240 mm. | 20.6 | | |
| 0.0125 mm. | 19.0 | | |
| 0.0088 mm. | 18.2 | | |
| 0.0063 mm. | 18.2 | | |
| 0.0031 mm. | 17.8 | | |
| 0.0013 mm. | 15.7 | | |

* (no specification provided)

**Soil Description**

Silty sand, mostly fine-grained quartz sand, little silt, little clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1574 $D_{85}$= 0.1460 $D_{60}$= 0.1097
$D_{50}$= 0.0966 $D_{30}$= 0.0588 $D_{15}$=
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 42

**Date:** 3/23/2022

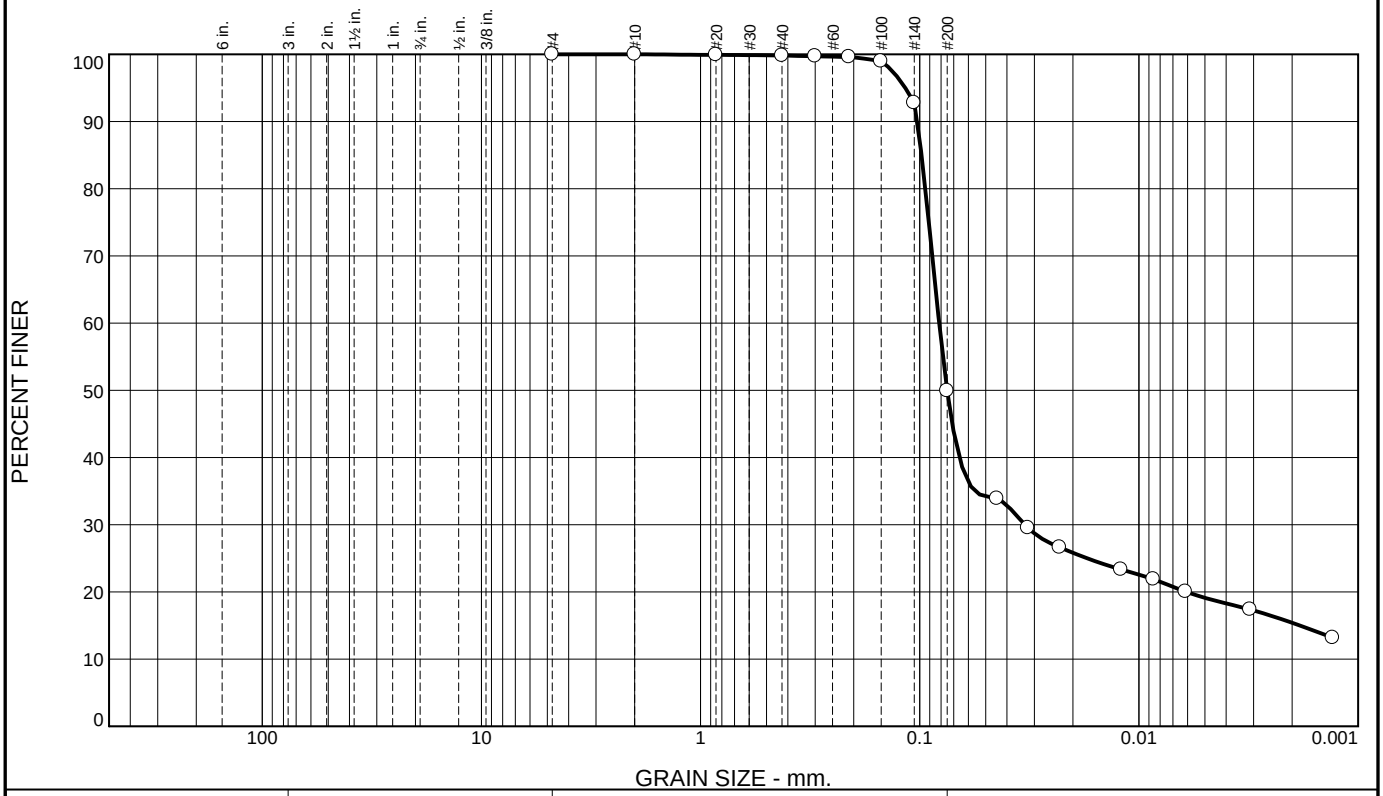
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 49.9 | 30.8 | 19.1 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.8 | | |
| #50 | 99.7 | | |
| #70 | 99.6 | | |
| #100 | 99.0 | | |
| #140 | 92.8 | | |
| #200 | 49.9 | | |
| 0.0444 mm. | 33.9 | | |
| 0.0321 mm. | 29.5 | | |
| 0.0230 mm. | 26.6 | | |
| 0.0121 mm. | 23.3 | | |
| 0.0086 mm. | 21.9 | | |
| 0.0061 mm. | 20.0 | | |
| 0.0031 mm. | 17.4 | | |
| 0.0013 mm. | 13.2 | | |

* (no specification provided)

**Soil Description**

Silty sand, mostly fine-grained quartz sand, some silt, little clay, light brown

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1028 $D_{85}$= 0.0982 $D_{60}$= 0.0815
$D_{50}$= 0.0750 $D_{30}$= 0.0331 $D_{15}$= 0.0018
$D_{10}$= $C_u$= $C_c$=

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 43

**Date:** 3/24/2022

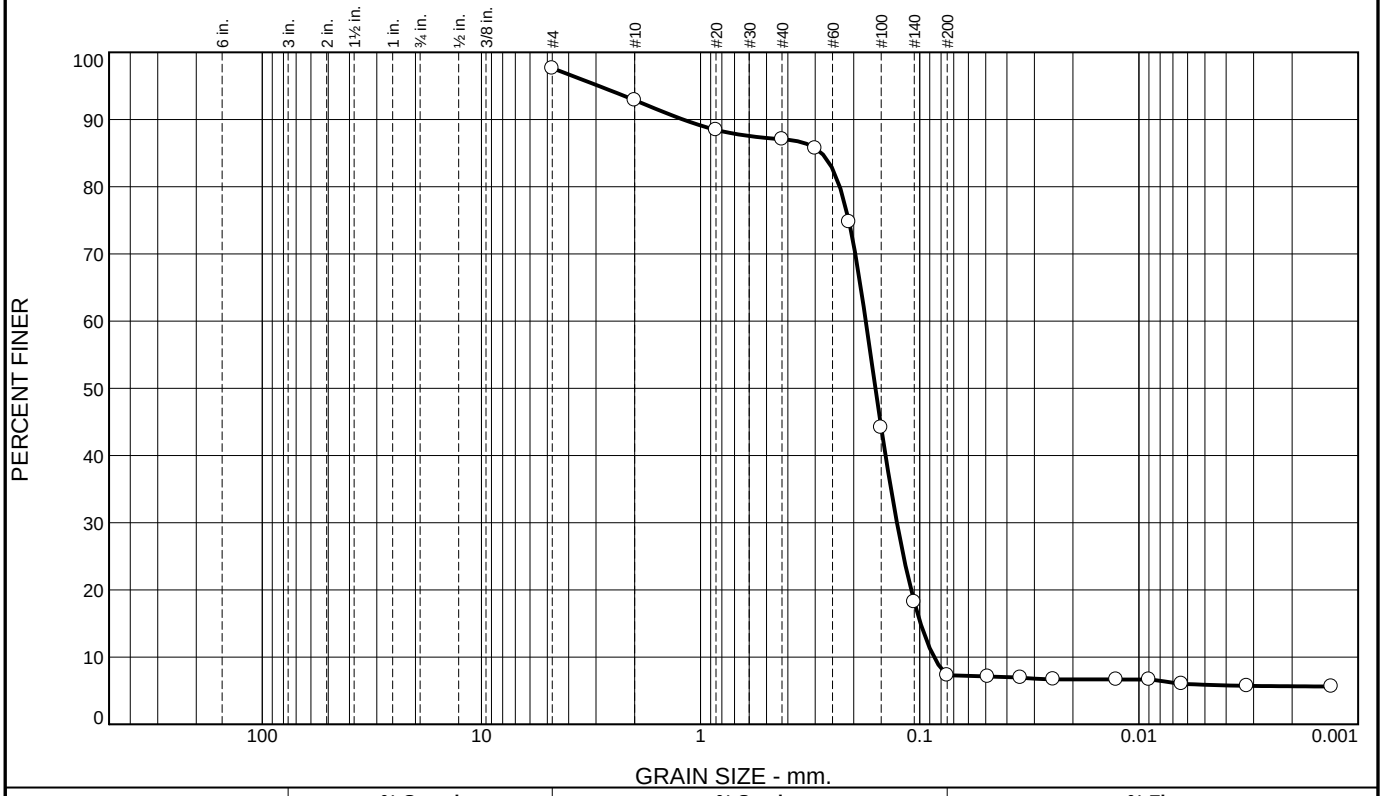
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** NEL **Checked By:** WFW

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 2.4 | 4.7 | 5.9 | 79.7 | 1.4 | 5.9 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 97.6 | | |
| #10 | 92.9 | | |
| #20 | 88.5 | | |
| #40 | 87.0 | | |
| #50 | 85.7 | | |
| #70 | 74.8 | | |
| #100 | 44.2 | | |
| #140 | 18.2 | | |
| #200 | 7.3 | | |
| 0.0490 mm. | 7.1 | | |
| 0.0347 mm. | 6.9 | | |
| 0.0246 mm. | 6.7 | | |
| 0.0127 mm. | 6.7 | | |
| 0.0090 mm. | 6.7 | | |
| 0.0064 mm. | 6.0 | | |
| 0.0032 mm. | 5.7 | | |
| 0.0013 mm. | 5.6 | | |

* (no specification provided)

**Soil Description**

Sand, poorly graded, mostly fine-grained quartz sand, trace clay, trace fine gravel-size shell fragments, brown

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 1.2044 $D_{85}$= 0.2809 $D_{60}$= 0.1762
$D_{50}$= 0.1593 $D_{30}$= 0.1271 $D_{15}$= 0.0992
$D_{10}$= 0.0861 $C_u$= 2.05 $C_c$= 1.06

**Classification**

USCS= SP AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 44

**Date:** 3/24/2022

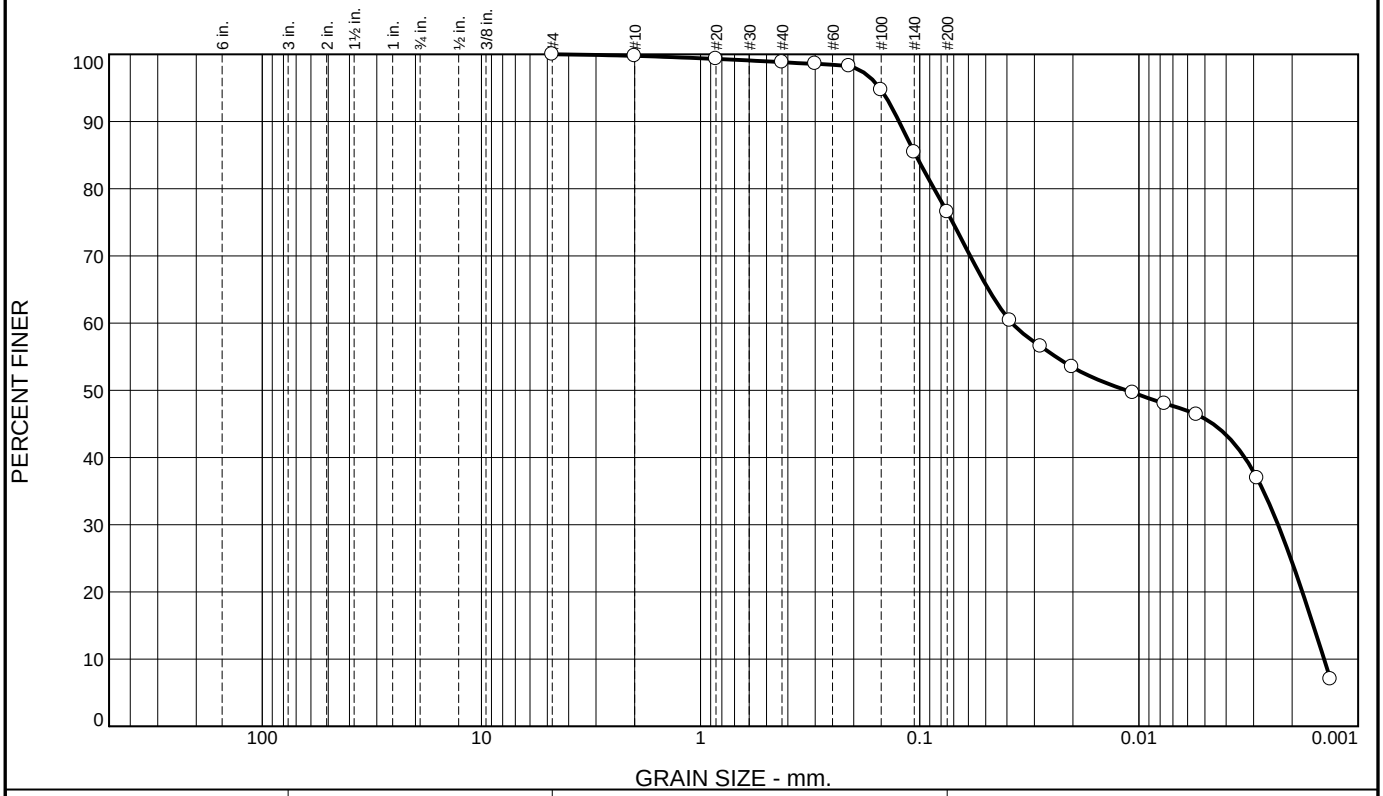
**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** NEL **Checked By:** WFW

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 22.3 | 30.7 | 45.8 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.8 | | |
| #20 | 99.3 | | |
| #40 | 98.8 | | |
| #50 | 98.6 | | |
| #70 | 98.2 | | |
| #100 | 94.7 | | |
| #140 | 85.4 | | |
| #200 | 76.5 | | |
| 0.0388 mm. | 60.4 | | |
| 0.0281 mm. | 56.6 | | |
| 0.0202 mm. | 53.5 | | |
| 0.0107 mm. | 49.7 | | |
| 0.0076 mm. | 48.0 | | |
| 0.0055 mm. | 46.4 | | |
| 0.0029 mm. | 36.9 | | |
| 0.0013 mm. | 7.0 | | |

* (no specification provided)

**Soil Description**

Fat clay, some silt, little fine-grained quartz sand, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1243 $D_{85}$= 0.1043 $D_{60}$= 0.0379
$D_{50}$= 0.0114 $D_{30}$= 0.0023 $D_{15}$= 0.0016
$D_{10}$= 0.0014 $C_u$= 26.52 $C_c$= 0.10

**Classification**

USCS= CH AASHTO=

**Remarks**

**Source of Sample:** 22A3944
**Sample Number:** 45

**Date:** 3/24/2022

**Taylor Engineering, Inc.**

**Client:** North Water District Labratory Services
**Project:** 22A3944

**Project No:** C2022-020 **Figure**

**Tested By:** WFW **Checked By:** NEL

May 27, 2022 Revised Service Request No: K2202539.02

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 22A3944**

Dear Monica,

Enclosed is the revised report of the sample(s) submitted to our laboratory March 10, 2022.

For your reference, these analyses have been assigned our service request number **K2202539.**
Report has been revised to the MDL.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental



REVISED
1:25 pm, May 27, 2022

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**Sample Matrix:** Elutriate, Liquid

**Service Request:** K2202539
**Date Received:** 03/10/2022

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Two elutriate, liquid samples were received for analysis at ALS Environmental on 03/10/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Semivoa GC:**

Method ALS SOP Butyltins, 03/25/2021The analysis of Butyltins by ALS SOP requires the use of dual column confirmation. For the Initial Calibration Verification (ICV) at least one of the analytical systems in a dual column or dual detector system must meet the criteria. This criteria was met on one column for Tri-n-butyltin. The data quality was not affected. No further corrective action was necessary.

Method ALS SOP Butyltins, 03/25/2021:Due to interference introduced in the grignard reaction, some sample analytes and surrogates display retention time shifting outside +/-0.03 normally observed in this method and particular matrix. Note that the samples received all the possible cleanups within the scope of the method, the shifting was still within +/-0.06 threshold. The experience of the analyst in the interpretation of chromatograms and the shifts in the QC confirm the analytes. No further corrective action needed.

**General Chemistry:**

No significant anomalies were noted with this analysis.

Approved by _____ Date 05/27/2022

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 22A3944-19 | | | Lab ID: K2202539-001 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.091 | | 0.029 | 0.050 | ug/L | ALS SOP |
| Di-n-butyltin Cation | 0.0082 | JP | 0.0073 | 0.050 | ug/L | ALS SOP |

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2202539
**Project:** 22A3944

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2202539-001 | 22A3944-19 | 3/9/2022 | 0835 |

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-12** ***Marine Water Sampled: 03/03/2022 12:02*** | | | |
| Sub_CN T-4500 | 04/01/2022 | 03/17/2022 12:02 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/10/2022 12:02 | |
| *Analyte(s):* Dibutyltin Monobutyltin Tributyltin | | | |
| Dibutyltin Monobutyltin Tributyltin | | | |
| TOC-415.1 | 04/01/2022 | 03/31/2022 12:02 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-15** ***Elutriate Sampled: 01/26/2022 00:00*** | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 02/02/2022 00:00 | |
| *Analyte(s):* Dibutyltin Monobutyltin Tributyltin | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-18** ***Elutriate Sampled: 02/27/2022 12:24*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/13/2022 12:24 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 03/06/2022 12:24 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* Dibutyltin Monobutyltin Tributyltin | | | |
| TOC-415.1-ELUT | 04/01/2022 | 03/27/2022 12:24 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-19** ***Elutriate Sampled: 02/16/2022 18:47*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/02/2022 18:47 | Leached: 03/09/2022 08:35 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 02/23/2022 18:47 | Leached: 03/09/2022 08:35 |
| *Analyte(s):* Dibutyltin Monobutyltin Tributyltin | | | |
| TOC-415.1-ELUT | 04/01/2022 | 03/16/2022 18:47 | Leached: 03/09/2022 08:35 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

NWDLS

K2202539

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-20** ***Elutriate Sampled: 02/24/2022 17:50*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/10/2022 17:50 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 03/03/2022 17:50 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/24/2022 17:50 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-21** ***Elutriate Sampled: 02/20/2022 15:30*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/06/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 02/27/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/20/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-28** ***Sediment Sampled: 02/11/2022 15:30*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/25/2022 15:30 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/11/2022 15:30 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-29** ***Sediment Sampled: 02/26/2022 09:45*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/12/2022 09:45 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/26/2022 09:45 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

April Dobbins 3/9/22 UPS 3/9/22

3/10/22 0950

PM LR

# Cooler Receipt and Preservation Form

Client NWDLS Service Request K22 02539

Received: 3/10/22 Opened: 3/10/22 By: Unloaded: 3/10/22 By:

1. Samples were received via? *USPS* *Fed Ex* (*UPS*) *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y (N) If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp indicate with "X" | PM Notified If out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| — | 2.4 | IR02 | | | | 1Z12W4061019348 7843 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

4. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column above:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* (*Baggies*) (*Bubble Wrap*) *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA (Y) N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) (N)
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA (Y) N
13. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
14. Was C12/Res negative? (NA) Y N
15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? (NA) Y N Under filled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: For "22A3944-21" DID NOT Receive bottle for TOC.

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
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## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analyst Summary report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202539 |
| **Project:** | 22A3944/ | | |

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-19 | **Date Collected:** | 03/9/22 |
| **Lab Code:** | K2202539-001 | **Date Received:** | 03/10/22 |
| **Sample Matrix:** | Elutriate, Liquid | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 415.1 | | MSPECHT |
| ALS SOP | VWILSON | BBRIGHT |
| SM 4500-CN- E | KCHAN | KCHAN |

# Sample Results

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# Semivolatile Organic Compounds by GC

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**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202539 |
| **Project:** | 22A3944 | **Date Collected:** | 03/09/22 08:35 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 03/10/22 09:50 |
| **Sample Name:** | 22A3944-19 | **Units:** | ug/L |
| **Lab Code:** | K2202539-001 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.091** | 0.050 | 0.029 | 1 | 03/25/22 17:29 | 3/10/22 | |
| Di-n-butyltin Cation | **0.0082 JP** | 0.050 | 0.0073 | 1 | 03/25/22 17:29 | 3/10/22 | |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/25/22 17:29 | 3/10/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 113 | 10 - 195 | 03/25/22 17:29 | |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202539 |
| **Project:** | 22A3944 | **Date Collected:** | 03/09/22 08:35 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 03/10/22 09:50 |
| **Sample Name:** | 22A3944-19 | **Basis:** | NA |
| **Lab Code:** | K2202539-001 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/22/22 15:30 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/14/22 11:44 | 03/14/22 | |

# QC Summary Forms

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# Semivolatile Organic Compounds by GC

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**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2202539
**Project:** 22A3944
**Sample Matrix:** Elutriate, Liquid

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** EPA 3520C

| Sample Name | Lab Code | Tri-n-propyltin 10-195 |
|---|---|---|
| 22A3944-19 | K2202539-001 | 113 |
| Method Blank | KQ2203954-03 | 125 |
| Lab Control Sample | KQ2203954-01 | 83 |
| Duplicate Lab Control Sample | KQ2203954-02 | 87 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202539 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | KQ2203954-03 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.050 | 0.029 | 1 | 03/25/22 14:45 | 3/10/22 | |
| Di-n-butyltin Cation | **0.039** | **J** | 0.050 | 0.0073 | 1 | 03/25/22 14:45 | 3/10/22 | |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 03/25/22 14:45 | 3/10/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 125 | 10 - 195 | 03/25/22 14:45 | |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202539 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/25/22 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | 03/10/22 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/L |
| **Prep Method:** | EPA 3520C | **Basis:** | NA |
| | | **Analysis Lot:** | 758434 |

| | Lab Control Sample KQ2203954-01 | | | Duplicate Lab Control Sample KQ2203954-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 0.301 | 0.383 | 79 | 0.348 | 0.383 | 91 | 10-200 | 14 | 30 |
| n-Butyltin Cation | 0.250 | 0.312 | 80 | 0.273 | 0.312 | 88 | 10-200 | 9 | 30 |
| Tri-n-butyltin Cation | 0.367 | 0.446 | 82 | 0.370 | 0.446 | 83 | 10-200 | <1 | 30 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2202539
**Date Collected:** 03/09/22 08:35
**Date Received:** 3/10/22

**Sample Name:** 22A3944-19
**Lab Code:** K2202539-001

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.0082 | 0.016 | 64 | JP | 1 | 03/25/22 17:29 |
| n-Butyltin Cation | 0.029 | 0.091 | 0.10 | 9 | | 1 | 03/25/22 17:29 |

**ALS Group USA, Corp.**
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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2202539
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2203954-01

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.301 | 0.344 | 13 | | 1 | 03/25/22 15:02 |
| Tri-n-butyltin Cation | 0.012 | 0.367 | 0.387 | 5 | | 1 | 03/25/22 15:02 |
| n-Butyltin Cation | 0.029 | 0.250 | 0.273 | 9 | | 1 | 03/25/22 15:02 |

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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2202539
**Date Collected:** NA
**Date Received:**

**Sample Name:** Duplicate Lab Control Sample
**Lab Code:** KQ2203954-02

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.348 | 0.382 | 9 | | 1 | 03/25/22 15:18 |
| Tri-n-butyltin Cation | 0.012 | 0.370 | 0.386 | 4 | | 1 | 03/25/22 15:18 |
| n-Butyltin Cation | 0.029 | 0.273 | 0.275 | <1 | | 1 | 03/25/22 15:18 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2202539
**Date Collected:** NA
**Date Received:**

**Sample Name:** Method Blank
**Lab Code:** KQ2203954-03

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.039 | 0.044 | 12 | J | 1 | 03/25/22 14:45 |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202539 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2202539-MB1 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/22/22 15:30 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/14/22 11:44 | 03/14/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202539 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2202539-MB2 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/22/22 15:30 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202539 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/22/22 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | NA |

**Lab Control Sample Summary**
**Carbon, Total Organic**

| | | | |
|---|---|---|---|
| **Analysis Method:** | 415.1 | **Units:** | mg/L |
| **Prep Method:** | None | **Basis:** | NA |
| | | **Analysis Lot:** | 758247 |

| Sample Name | Lab Code | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Lab Control Sample | K2202539-LCS2 | 25.3 | 25.0 | 101 | 83-117 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202539 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/22/22 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | NA |

**Lab Control Sample Summary**
**Carbon, Total Organic**

| | | | |
|---|---|---|---|
| **Analysis Method:** | 415.1 | **Units:** | mg/L |
| **Prep Method:** | None | **Basis:** | NA |
| | | **Analysis Lot:** | 758247 |

| Sample Name | Lab Code | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Lab Control Sample | K2202539-LCS3 | 25.0 | 25.0 | 100 | 83-117 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202539 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/14/22 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | 03/14/22 |

## Duplicate Lab Control Sample Summary
## General Chemistry Parameters

| | | | |
|---|---|---|---|
| **Analysis Method:** | SM 4500-CN- E | **Units:** | mg/L |
| **Prep Method:** | SM 4500-CN-C | **Basis:** | NA |
| | | **Analysis Lot:** | 757348 |

| | Lab Control Sample K2202539-LCS1 | | | Duplicate Lab Control Sample K2202539-DLCS1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Cyanide, Total | 0.0801 | 0.075 | 107 | 0.0775 | 0.075 | 103 | 84-115 | 3 | 20 |

June 02, 2022

Revised Service Request No: K2202527.01

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 22A3944**

Dear Monica,

Enclosed is the revised report of the sample(s) submitted to our laboratory March 09, 2022.

For your reference, these analyses have been assigned our service request number **K2202527.**

Report has been revised to the MDL.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**



Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental



REVISED
3:45 pm, Jun 02, 2022

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**Sample Matrix:** Sediment, Ocean Water

**Service Request:** K2202527
**Date Received:** 03/09/2022

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Seven sediment, ocean water samples were received for analysis at ALS Environmental on 03/09/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Semivoa GC:**

Method ALS SOP Butyltins, 03/25/2021The analysis of Butyltins by ALS SOP requires the use of dual column confirmation. For the Initial Calibration Verification (ICV) at least one of the analytical systems in a dual column or dual detector system must meet the criteria. This criteria was met on one column for Tri-n-butyltin. The data quality was not affected. No further corrective action was necessary.

Method ALS SOP Butyltins, 03/25/2021:Due to interference introduced in the grignard reaction, some sample analytes and surrogates display retention time shifting outside +/-0.03 normally observed in this method and particular matrix. Note that the samples received all the possible cleanups within the scope of the method. The experience of the analyst in the interpretation of chromatograms and the shifts in the QC confirm the analytes. No further corrective action needed.

**General Chemistry:**

No significant anomalies were noted with this analysis.

Approved by  Date 06/02/2022

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 22A3944-11 | | | Lab ID: K2202527-001 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic | 0.22 | J | 0.07 | 0.50 | mg/L | 415.1 |
| n-Butyltin Cation | 0.033 | J | 0.029 | 0.050 | ug/L | ALS SOP |
| Di-n-butyltin Cation | 0.076 | | 0.0073 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 22A3944-12 | | | Lab ID: K2202527-002 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic | 0.16 | J | 0.07 | 0.50 | mg/L | 415.1 |
| Di-n-butyltin Cation | 0.020 | J | 0.0073 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 22A3944-29 | | | Lab ID: K2202527-003 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic (TOC) | 0.02 | J | 0.02 | 0.10 | Percent | 9060 |

| CLIENT ID: 22A3944-43 | | | Lab ID: K2202527-006 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic (TOC) | 0.42 | | 0.02 | 0.10 | Percent | 9060 |
| Solids, Total | 60.5 | | | | Percent | 160.3 Modified |

| CLIENT ID: 22A3944-44 | | | Lab ID: K2202527-007 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic (TOC) | 0.10 | J | 0.02 | 0.10 | Percent | 9060 |
| Solids, Total | 78.0 | | | | Percent | 160.3 Modified |

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2202527
**Project:** 22A3944

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2202527-001 | 22A3944-11 | 3/3/2022 | 1025 |
| K2202527-002 | 22A3944-12 | 3/3/2022 | 1202 |
| K2202527-003 | 22A3944-29 | 2/26/2022 | 0945 |
| K2202527-004 | 22A3944-30 | 2/27/2022 | 1224 |
| K2202527-005 | 22A3944-38 | 2/24/2022 | 1750 |
| K2202527-006 | 22A3944-43 | 3/3/2022 | 0940 |
| K2202527-007 | 22A3944-44 | 3/3/2022 | 1138 |

NWDLS
North Water District Laboratory Services, Inc.

K2202527

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

ALS Kelso
1317 South 13th Avenue
Kelso, WA 98626
Phone: (360) 577-7222
Fax:

## Work Order: 22A3944

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-07** ***Marine Water Sampled: 02/14/2022 17:25*** | | | |
| Sub_CN T-4500 | 04/01/2022 | 02/28/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/21/2022 17:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/14/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-08** ***Marine Water Sampled: 02/22/2022 16:00*** | | | |
| Sub_CN T-4500 | 04/01/2022 | 03/08/2022 16:00 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/01/2022 16:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/22/2022 16:00 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

NWDLS
North Water District Laboratory Services, Inc.

K2202527

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-09** ***Marine Water Sampled: 02/24/2022 12:25*** | | | |
| Sub_CN T-4500 | 04/01/2022 | 03/10/2022 12:25 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/03/2022 12:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/24/2022 12:25 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-10** ***Marine Water Sampled: 02/20/2022 17:25*** | | | |
| Sub_CN T-4500 | 04/01/2022 | 03/06/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/27/2022 17:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/20/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-11** ***Marine Water Sampled: 03/03/2022 10:25*** | | | |
| Sub_CN T-4500 | 04/01/2022 | 03/17/2022 10:25 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/10/2022 10:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/31/2022 10:25 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-12** ***Marine Water Sampled: 03/03/2022 12:02*** | | | |
| Sub_CN T-4500 | 04/01/2022 | 03/17/2022 12:02 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/10/2022 12:02 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/31/2022 12:02 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-15** ***Elutriate Sampled: 01/26/2022 00:00*** | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 02/02/2022 00:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-18** ***Elutriate Sampled: 02/27/2022 12:24*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/13/2022 12:24 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 03/06/2022 12:24 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/27/2022 12:24 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-19** ***Elutriate Sampled: 02/16/2022 18:47*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/02/2022 18:47 | Leached: 03/09/2022 08:35 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 02/23/2022 18:47 | Leached: 03/09/2022 08:35 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/16/2022 18:47 | Leached: 03/09/2022 08:35 |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-20** ***Elutriate Sampled: 02/24/2022 17:50*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/10/2022 17:50 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 03/03/2022 17:50 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/24/2022 17:50 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-21** ***Elutriate Sampled: 02/20/2022 15:30*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/06/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 02/27/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/20/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-28** ***Sediment Sampled: 02/11/2022 15:30*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/25/2022 15:30 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/11/2022 15:30 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-29** ***Sediment Sampled: 02/26/2022 09:45*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/12/2022 09:45 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/26/2022 09:45 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

NWDLS
North Water District Laboratory Services, Inc.

K2202527

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-30** ***Sediment Sampled: 02/27/2022 12:24*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/13/2022 12:24 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/27/2022 12:24 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-32** ***Sediment Sampled: 02/15/2022 15:10*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/01/2022 15:10 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/15/2022 15:10 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-34** ***Sediment Sampled: 02/16/2022 18:47*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/02/2022 18:47 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/16/2022 18:47 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-36** ***Sediment Sampled: 02/22/2022 13:20*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/08/2022 13:20 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/22/2022 13:20 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

NWDLS
North Water District Laboratory Services, Inc.

K2202527

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-38** ***Sediment Sampled: 02/24/2022 17:50*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/10/2022 17:50 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/24/2022 17:50 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-40** ***Sediment Sampled: 02/18/2022 17:31*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/04/2022 17:31 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/18/2022 17:31 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-41** ***Sediment Sampled: 02/19/2022 09:15*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/05/2022 09:15 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/19/2022 09:15 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-42** ***Sediment Sampled: 02/20/2022 15:30*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/06/2022 15:30 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/20/2022 15:30 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

NWDLS
North Water District Laboratory Services, Inc.

K2202527

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-43** ***Sediment Sampled: 03/03/2022 09:40*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/17/2022 09:40 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/31/2022 09:40 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-44** ***Sediment Sampled: 03/03/2022 11:38*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/17/2022 11:38 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/31/2022 11:38 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-45** ***Sediment Sampled: 02/11/2022 13:10*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/25/2022 13:10 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/11/2022 13:10 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-47** ***Elutriate Sampled: 02/28/2022 14:00*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/14/2022 14:00 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 03/07/2022 14:00 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/28/2022 14:00 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

CN

CN

K220527

# SUBCONTRACT ORDER
**(Continued)**

April Dobbins 3/8/22
Relinquished By Date

UPS 3/8/22
Received By Date

Received
M. Mulligan ALS
3/9/22 1010

PM LR

# Cooler Receipt and Preservation Form

Client NWDLS Service Request K22 02527

Received: 3/9/22 Opened: 3/9/22 By: [illegible] Unloaded: 3/9/22 By: S

1. Samples were received via? *USPS* *Fed Ex* (*UPS*) *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA Y (N) If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp indicate with "X" | PM Notified If out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| — | 2.0 | 1201 | | | | 1Z 12W 40V 01 9207 | |
| — | 2.8 | " | | | | 9821 | |
| | | | | | | " " " " 9498 0834 | |
| | | | | | | | |
| | | | | | | | |

4. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column above:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* (*Baggies*) (*Bubble Wrap*) *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA Y (N)
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA (Y) N
13. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
14. Was C12/Res negative? (NA) Y N
15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? (NA) Y N Under filled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: _____

## Cooler Receipt and Preservation Form

Client _____ Service Request *K22*02527

***Notes, Discrepancies & Resolutions:***

NO COC for: 22A3944-11
22A3944-12
22A3944-43
22A3944-44
22A3987-47
22A3944-29
22A3944-30
22A3944-38

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2202527
**Project:** 22A3944/

**Sample Name:** 22A3944-11 **Date Collected:** 03/3/22
**Lab Code:** K2202527-001 **Date Received:** 03/9/22
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 415.1 | | MSPECHT |
| ALS SOP | VWILSON | BBRIGHT |
| SM 4500-CN- E | KCHAN | KCHAN |

**Sample Name:** 22A3944-12 **Date Collected:** 03/3/22
**Lab Code:** K2202527-002 **Date Received:** 03/9/22
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 415.1 | | MSPECHT |
| ALS SOP | VWILSON | BBRIGHT |
| SM 4500-CN- E | KCHAN | KCHAN |

**Sample Name:** 22A3944-29 **Date Collected:** 02/26/22
**Lab Code:** K2202527-003 **Date Received:** 03/9/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 9060 | DBRADBURY | DBRADBURY |

**Sample Name:** 22A3944-30 **Date Collected:** 02/27/22
**Lab Code:** K2202527-004 **Date Received:** 03/9/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 9060 | DBRADBURY | DBRADBURY |

Analyst Summary report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944/ | | |

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-38 | **Date Collected:** | 02/24/22 |
| **Lab Code:** | K2202527-005 | **Date Received:** | 03/9/22 |
| **Sample Matrix:** | Sediment | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 9060 | DBRADBURY | DBRADBURY |

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-43 | **Date Collected:** | 03/3/22 |
| **Lab Code:** | K2202527-006 | **Date Received:** | 03/9/22 |
| **Sample Matrix:** | Sediment | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | JBAKER |
| 9060 | DBRADBURY | DBRADBURY |
| ALS SOP | VWILSON | BBRIGHT |

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-44 | **Date Collected:** | 03/3/22 |
| **Lab Code:** | K2202527-007 | **Date Received:** | 03/9/22 |
| **Sample Matrix:** | Sediment | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | JBAKER |
| 9060 | DBRADBURY | DBRADBURY |
| ALS SOP | VWILSON | BBRIGHT |

# Sample Results

**ALS Environmental—Kelso Laboratory**
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# Semivolatile Organic Compounds by GC

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www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 10:25 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-11 | **Units:** | ug/L |
| **Lab Code:** | K2202527-001 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.033** J | 0.050 | 0.029 | 1 | 03/25/22 16:56 | 3/10/22 | |
| Di-n-butyltin Cation | **0.076** | 0.050 | 0.0073 | 1 | 03/25/22 16:56 | 3/10/22 | |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/25/22 16:56 | 3/10/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 109 | 10 - 195 | 03/25/22 16:56 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 12:02 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-12 | **Units:** | ug/L |
| **Lab Code:** | K2202527-002 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.050 | 0.029 | 1 | 03/25/22 17:13 | 3/10/22 | |
| Di-n-butyltin Cation | **0.020** | **J** | 0.050 | 0.0073 | 1 | 03/25/22 17:13 | 3/10/22 | |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 03/25/22 17:13 | 3/10/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 96 | 10 - 195 | 03/25/22 17:13 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 09:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-43 | **Units:** | ug/Kg |
| **Lab Code:** | K2202527-006 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.6 | 0.43 | 1 | 03/25/22 12:10 | 3/14/22 | |
| Di-n-butyltin Cation | ND U | 1.6 | 0.31 | 1 | 03/25/22 12:10 | 3/14/22 | |
| Tri-n-butyltin Cation | ND U | 1.6 | 0.70 | 1 | 03/25/22 12:10 | 3/14/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 78 | 10 - 152 | 03/25/22 12:10 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 09:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-43 | **Units:** | ug/Kg |
| **Lab Code:** | K2202527-006 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.98 | 0.26 | 1 | 03/25/22 12:10 | 3/14/22 | |
| Di-n-butyltin Cation | ND U | 0.98 | 0.19 | 1 | 03/25/22 12:10 | 3/14/22 | |
| Tri-n-butyltin Cation | ND U | 0.98 | 0.43 | 1 | 03/25/22 12:10 | 3/14/22 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 11:38 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-44 | **Units:** | ug/Kg |
| **Lab Code:** | K2202527-007 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.3 | 0.34 | 1 | 03/25/22 12:27 | 3/14/22 | |
| Di-n-butyltin Cation | ND U | 1.3 | 0.25 | 1 | 03/25/22 12:27 | 3/14/22 | |
| Tri-n-butyltin Cation | ND U | 1.3 | 0.55 | 1 | 03/25/22 12:27 | 3/14/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 47 | 10 - 152 | 03/25/22 12:27 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 11:38 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-44 | **Units:** | ug/Kg |
| **Lab Code:** | K2202527-007 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.99 | 0.26 | 1 | 03/25/22 12:27 | 3/14/22 | |
| Di-n-butyltin Cation | ND U | 0.99 | 0.19 | 1 | 03/25/22 12:27 | 3/14/22 | |
| Tri-n-butyltin Cation | ND U | 0.99 | 0.43 | 1 | 03/25/22 12:27 | 3/14/22 | |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 10:25 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-11 | **Basis:** | NA |
| **Lab Code:** | K2202527-001 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | **0.22 J** | mg/L | 0.50 | 0.07 | 1 | 03/22/22 15:30 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/14/22 11:44 | 03/14/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 12:02 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-12 | **Basis:** | NA |
| **Lab Code:** | K2202527-002 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | **0.16 J** | mg/L | 0.50 | 0.07 | 1 | 03/22/22 15:30 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/14/22 11:44 | 03/14/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 02/26/22 09:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-29 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2202527-003 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | **0.02 J** | Percent | 0.10 | 0.02 | 1 | 03/24/22 11:41 | 03/23/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 02/27/22 12:24 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-30 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2202527-004 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | ND U | Percent | 0.10 | 0.02 | 1 | 03/24/22 11:41 | 03/23/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 02/24/22 17:50 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-38 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2202527-005 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | ND U | Percent | 0.10 | 0.02 | 1 | 03/24/22 11:41 | 03/23/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 09:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-43 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2202527-006 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | **0.42** | Percent | 0.10 | 0.02 | 1 | 03/24/22 11:41 | 03/23/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 09:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-43 | **Basis:** | As Received |
| **Lab Code:** | K2202527-006 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **60.5** | Percent | - | - | 1 | 03/10/22 17:37 | NA | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 11:38 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-44 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2202527-007 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | **0.10 J** | Percent | 0.10 | 0.02 | 1 | 03/24/22 11:41 | 03/23/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 03/03/22 11:38 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 10:10 |
| **Sample Name:** | 22A3944-44 | **Basis:** | As Received |
| **Lab Code:** | K2202527-007 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **78.0** | Percent | - | - | 1 | 03/10/22 17:37 | NA | |

# QC Summary Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2202527

**Project:** 22A3944

**Sample Matrix:** Ocean Water

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP

**Extraction Method:** EPA 3520C

| Sample Name | Lab Code | Tri-n-propyltin 10-195 |
|---|---|---|
| 22A3944-11 | K2202527-001 | 109 |
| 22A3944-12 | K2202527-002 | 96 |
| Method Blank | KQ2203954-03 | 125 |
| Lab Control Sample | KQ2203954-01 | 83 |
| Duplicate Lab Control Sample | KQ2203954-02 | 87 |

QA/QC Report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2202527
**Project:** 22A3944
**Sample Matrix:** Sediment

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** Method

| Sample Name | Lab Code | Tri-n-propyltin 10-152 |
|---|---|---|
| 22A3944-43 | K2202527-006 | 78 |
| 22A3944-44 | K2202527-007 | 47 |
| Method Blank | KQ2204001-04 | 44 |
| Lab Control Sample | KQ2204001-03 | 80 |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | KQ2203954-03 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.050 | 0.029 | 1 | 03/25/22 14:45 | 3/10/22 | |
| Di-n-butyltin Cation | **0.039** | **J** | 0.050 | 0.0073 | 1 | 03/25/22 14:45 | 3/10/22 | |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 03/25/22 14:45 | 3/10/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 125 | 10 - 195 | 03/25/22 14:45 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2204001-04 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.98 | 0.26 | 1 | 03/25/22 11:37 | 3/14/22 | |
| Di-n-butyltin Cation | ND U | 0.98 | 0.19 | 1 | 03/25/22 11:37 | 3/14/22 | |
| Tri-n-butyltin Cation | ND U | 0.98 | 0.43 | 1 | 03/25/22 11:37 | 3/14/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 44 | 10 - 152 | 03/25/22 11:37 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2204001-04 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.98 | 0.26 | 1 | 03/25/22 11:37 | 3/14/22 | |
| Di-n-butyltin Cation | ND U | 0.98 | 0.19 | 1 | 03/25/22 11:37 | 3/14/22 | |
| Tri-n-butyltin Cation | ND U | 0.98 | 0.43 | 1 | 03/25/22 11:37 | 3/14/22 | |

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/25/22 |
| **Sample Matrix:** | Sediment | **Date Extracted:** | 03/14/22 |

## Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/Kg |
| **Prep Method:** | Method | **Basis:** | Dry |
| | | **Analysis Lot:** | 758432 |

### Lab Control Sample
### KQ2204001-03

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|
| Di-n-butyltin Cation | 11.2 | 19.2 | 59 | 10-190 |
| n-Butyltin Cation | 8.35 | 15.6 | 54 | 10-200 |
| Tri-n-butyltin Cation | 15.3 | 22.3 | 69 | 10-186 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/25/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 03/10/22 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/L |
| **Prep Method:** | EPA 3520C | **Basis:** | NA |
| | | **Analysis Lot:** | 758434 |

| | Lab Control Sample KQ2203954-01 | | | Duplicate Lab Control Sample KQ2203954-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 0.301 | 0.383 | 79 | 0.348 | 0.383 | 91 | 10-200 | 14 | 30 |
| n-Butyltin Cation | 0.250 | 0.312 | 80 | 0.273 | 0.312 | 88 | 10-200 | 9 | 30 |
| Tri-n-butyltin Cation | 0.367 | 0.446 | 82 | 0.370 | 0.446 | 83 | 10-200 | <1 | 30 |

**ALS Group USA, Corp.**
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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2202527
**Date Collected:** 03/03/22 10:25
**Date Received:** 3/9/22

**Sample Name:** 22A3944-11
**Lab Code:** K2202527-001

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.076 | 0.082 | 8 | | 1 | 03/25/22 16:56 |
| n-Butyltin Cation | 0.029 | 0.033 | 0.039 | 17 | J | 1 | 03/25/22 16:56 |

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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2202527
**Date Collected:** 03/03/22 12:02
**Date Received:** 3/9/22

**Sample Name:** 22A3944-12
**Lab Code:** K2202527-002

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.020 | 0.022 | 10 | J | 1 | 03/25/22 17:13 |

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**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2202527
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2203954-01

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.301 | 0.344 | 13 | | 1 | 03/25/22 15:02 |
| Tri-n-butyltin Cation | 0.012 | 0.367 | 0.387 | 5 | | 1 | 03/25/22 15:02 |
| n-Butyltin Cation | 0.029 | 0.250 | 0.273 | 9 | | 1 | 03/25/22 15:02 |

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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2202527
**Date Collected:** NA
**Date Received:**

**Sample Name:** Duplicate Lab Control Sample
**Lab Code:** KQ2203954-02

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.348 | 0.382 | 9 | | 1 | 03/25/22 15:18 |
| Tri-n-butyltin Cation | 0.012 | 0.370 | 0.386 | 4 | | 1 | 03/25/22 15:18 |
| n-Butyltin Cation | 0.029 | 0.273 | 0.275 | <1 | | 1 | 03/25/22 15:18 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2202527
**Date Collected:** NA
**Date Received:**

**Sample Name:** Method Blank
**Lab Code:** KQ2203954-03

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.039 | 0.044 | 12 | J | 1 | 03/25/22 14:45 |

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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2202527
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2204001-03

**Units:** ug/Kg
**Basis:** Dry

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.19 | 11.2 | 12.6 | 12 | | 1 | 03/25/22 11:54 |
| Tri-n-butyltin Cation | 0.43 | 15.3 | 15.9 | 4 | | 1 | 03/25/22 11:54 |
| n-Butyltin Cation | 0.26 | 8.35 | 9.34 | 11 | | 1 | 03/25/22 11:54 |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | Dry, per Method |
| **Lab Code:** | K2202527-MB1 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | ND U | Percent | 0.10 | 0.02 | 1 | 03/24/22 11:41 | 03/23/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2202527-MB2 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/22/22 15:30 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/14/22 11:44 | 03/14/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2202527-MB3 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/22/22 15:30 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Collected:** | 02/26/22 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 |
| | | **Date Analyzed:** | 03/24/22 |
| | | **Date Extracted:** | 03/23/22 |

**Duplicate Matrix Spike Summary**
**Carbon, Total Organic (TOC)**

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-29 | **Units:** | Percent |
| **Lab Code:** | K2202527-003 | **Basis:** | Dry, per Method |
| **Analysis Method:** | 9060 | | |
| **Prep Method:** | Method | | |

| | | Matrix Spike | | | Duplicate Matrix Spike | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | K2202527-003MS | | | K2202527-003DMS | | | | | |
| **Analyte Name** | **Sample Result** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Carbon, Total Organic (TOC) | 0.02 J | 2.46 | 2.40 | 101 | 2.50 | 2.42 | 103 | 70-122 | 2 | 20 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.**

**ALS Group USA, Corp.**

**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project** | 22A3944 | **Date Collected:** | 02/26/22 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/09/22 |
| | | **Date Analyzed:** | 03/24/22 |

## Replicate Sample Summary
## General Chemistry Parameters

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-29 | **Units:** | Percent |
| **Lab Code:** | K2202527-003 | **Basis:** | Dry, per Method |

| Analyte Name | Analysis Method | MRL | MDL | Sample Result | Duplicate Sample K2202527-003DUP Result | Average | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | 0.10 | 0.02 | 0.02 J | ND U | NC | NC | 20 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/22/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | NA |

**Lab Control Sample Summary**
**Carbon, Total Organic**

| | | | |
|---|---|---|---|
| **Analysis Method:** | 415.1 | **Units:** | mg/L |
| **Prep Method:** | None | **Basis:** | NA |
| | | **Analysis Lot:** | 758247 |

| Sample Name | Lab Code | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Lab Control Sample | K2202527-LCS3 | 25.3 | 25.0 | 101 | 83-117 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/22/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | NA |

**Lab Control Sample Summary**
**Carbon, Total Organic**

| | | | |
|---|---|---|---|
| **Analysis Method:** | 415.1 | **Units:** | mg/L |
| **Prep Method:** | None | **Basis:** | NA |
| | | **Analysis Lot:** | 758247 |

| Sample Name | Lab Code | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Lab Control Sample | K2202527-LCS4 | 25.0 | 25.0 | 100 | 83-117 |

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/24/22 |
| **Sample Matrix:** | Sediment | **Date Extracted:** | 03/23/22 |

## Duplicate Lab Control Sample Summary
## General Chemistry Parameters

| | | | |
|---|---|---|---|
| **Analysis Method:** | 9060 | **Units:** | Percent |
| **Prep Method:** | Method | **Basis:** | Dry, per Method |
| | | **Analysis Lot:** | 758643 |

| | Lab Control Sample K2202527-LCS1 | | | Duplicate Lab Control Sample K2202527-DLCS1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Carbon, Total Organic (TOC) | 0.490 | 0.43 | 114 | 0.480 | 0.43 | 112 | 72-122 | 2 | 20 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202527 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/14/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 03/14/22 |

## Duplicate Lab Control Sample Summary
## General Chemistry Parameters

| | | | |
|---|---|---|---|
| **Analysis Method:** | SM 4500-CN- E | **Units:** | mg/L |
| **Prep Method:** | SM 4500-CN-C | **Basis:** | NA |
| | | **Analysis Lot:** | 757348 |

| | Lab Control Sample K2202527-LCS2 | | | Duplicate Lab Control Sample K2202527-DLCS2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Cyanide, Total | 0.0801 | 0.075 | 107 | 0.0775 | 0.075 | 103 | 84-115 | 3 | 20 |

May 27, 2022

Revised Service Request No: K2202313.02

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 22A3944**

Dear Monica,

Enclosed is the revised reportt of the sample(s) submitted to our laboratory March 05, 2022.

For your reference, these analyses have been assigned our service request number **K2202313.**

Report has been revised to the MDL.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental



REVISED
1:16 pm, May 27, 2022

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**Sample Matrix:** Elutriate, Liquid

**Service Request:** K2202313
**Date Received:** 03/05/2022

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Three elutriate, liquid samples were received for analysis at ALS Environmental on 03/05/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Semivoa GC:**

Method ALS SOP Butyltins, 03/25/2021The analysis of Butyltins by ALS SOP requires the use of dual column confirmation. For the Initial Calibration Verification (ICV) at least one of the analytical systems in a dual column or dual detector system must meet the criteria. This criteria was met on one column for Tri-n-butyltin. The data quality was not affected. No further corrective action was necessary.

Method ALS SOP Butyltins, 03/25/2021:Due to interference introduced in the grignard reaction, some sample analytes and surrogates display retention time shifting outside +/-0.03 normally observed in this method and particular matrix. Note that the samples received all the possible cleanups within the scope of the method. The experience of the analyst in the interpretation of chromatograms and the shifts in the QC confirm the analytes. No further corrective action needed.

**General Chemistry:**

No significant anomalies were noted with this analysis.

Approved by _____ Date 05/27/2022

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 22A3944-18 | | | Lab ID: K2202313-001 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic | 0.24 | J | 0.07 | 0.50 | mg/L | 415.1 |
| n-Butyltin Cation | 0.076 | | 0.029 | 0.050 | ug/L | ALS SOP |
| Di-n-butyltin Cation | 0.0097 | J | 0.0073 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 22A3944-20 | | | Lab ID: K2202313-002 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic | 0.10 | J | 0.07 | 0.50 | mg/L | 415.1 |
| n-Butyltin Cation | 0.12 | | 0.029 | 0.050 | ug/L | ALS SOP |
| Di-n-butyltin Cation | 0.012 | J | 0.0073 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 22A3944-47 | | | Lab ID: K2202313-003 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic | 0.08 | J | 0.07 | 0.50 | mg/L | 415.1 |
| n-Butyltin Cation | 0.10 | | 0.029 | 0.050 | ug/L | ALS SOP |

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2202313
**Project:** 22A3944

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2202313-001 | 22A3944-18 | 3/4/2022 | 0825 |
| K2202313-002 | 22A3944-20 | 3/4/2022 | 0825 |
| K2202313-003 | 22A3944-47 | 3/4/2022 | 0825 |

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-09** | ***Marine Water*** | ***Sampled: 02/24/2022 12:25*** | |
| Sub_CN T-4500 | 04/01/2022 | 03/10/2022 12:25 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/03/2022 12:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/24/2022 12:25 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-10** | ***Marine Water*** | ***Sampled: 02/20/2022 17:25*** | |
| Sub_CN T-4500 | 04/01/2022 | 03/06/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/27/2022 17:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/20/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-18** | ***Elutriate*** | ***Sampled: 02/27/2022 12:24*** | |
| Sub_CN T-ELUT | 04/01/2022 | 03/13/2022 12:24 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 03/06/2022 12:24 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/27/2022 12:24 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-20** ***Elutriate*** ***Sampled: 02/24/2022 17:50*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/10/2022 17:50 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 03/03/2022 17:50 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/24/2022 17:50 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-21** ***Elutriate*** ***Sampled: 02/20/2022 15:30*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/06/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 02/27/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/20/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-28** ***Sediment*** ***Sampled: 02/11/2022 15:30*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/25/2022 15:30 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/11/2022 15:30 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-29** ***Sediment*** ***Sampled: 02/26/2022 09:45*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/12/2022 09:45 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/26/2022 09:45 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-45** ***Sediment*** ***Sampled: 02/11/2022 13:10*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/25/2022 13:10 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/11/2022 13:10 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-47** ***Elutriate*** ***Sampled: 02/28/2022 14:00*** | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/14/2022 14:00 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 03/07/2022 14:00 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/28/2022 14:00 | Leached: 03/04/2022 08:25 |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

April Dobbins — Released By — 3/4/22 — Date

UPS — Received By — 3/4/22 — Date

3/4/22 0900

PM LR

Client NWDLS **Cooler Receipt and Preservation Form** Service Request K22 02313

Received: 3/5/22 Opened: 3/5/22 By: ZH Unloaded: 3/5/22 By: ZH

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp indicate with "X" | PM Notified If out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| | 3.0 | IR02 | | | | 1Z 12W 40Y 44 9118 4816 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column above:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
14. Was C12/Res negative? NA Y N
15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? NA Y N Under filled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: _____

:_____

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2202313
**Project:** 22A3944/

**Sample Name:** 22A3944-18 **Date Collected:** 03/4/22
**Lab Code:** K2202313-001 **Date Received:** 03/5/22
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 415.1 | | MSPECHT |
| ALS SOP | VWILSON | BBRIGHT |
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 22A3944-20 **Date Collected:** 03/4/22
**Lab Code:** K2202313-002 **Date Received:** 03/5/22
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 415.1 | | MSPECHT |
| ALS SOP | VWILSON | BBRIGHT |
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 22A3944-47 **Date Collected:** 03/4/22
**Lab Code:** K2202313-003 **Date Received:** 03/5/22
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 415.1 | | MSPECHT |
| ALS SOP | VWILSON | BBRIGHT |
| SM 4500-CN- E | MRICH | MRICH |

# Sample Results

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
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# Semivolatile Organic Compounds by GC

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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202313 |
| **Project:** | 22A3944 | **Date Collected:** | 03/04/22 08:25 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 03/05/22 09:00 |
| **Sample Name:** | 22A3944-18 | **Units:** | ug/L |
| **Lab Code:** | K2202313-001 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.076** | | 0.050 | 0.029 | 1 | 03/25/22 15:34 | 3/10/22 | |
| Di-n-butyltin Cation | **0.0097** | **J** | 0.050 | 0.0073 | 1 | 03/25/22 15:34 | 3/10/22 | |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 03/25/22 15:34 | 3/10/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 118 | 10 - 195 | 03/25/22 15:34 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202313 |
| **Project:** | 22A3944 | **Date Collected:** | 03/04/22 08:25 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 03/05/22 09:00 |
| **Sample Name:** | 22A3944-20 | **Units:** | ug/L |
| **Lab Code:** | K2202313-002 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.12** | | 0.050 | 0.029 | 1 | 03/25/22 15:51 | 3/10/22 | |
| Di-n-butyltin Cation | **0.012** | **J** | 0.050 | 0.0073 | 1 | 03/25/22 15:51 | 3/10/22 | |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 03/25/22 15:51 | 3/10/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 101 | 10 - 195 | 03/25/22 15:51 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202313 |
| **Project:** | 22A3944 | **Date Collected:** | 03/04/22 08:25 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 03/05/22 09:00 |
| **Sample Name:** | 22A3944-47 | **Units:** | ug/L |
| **Lab Code:** | K2202313-003 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.10** | 0.050 | 0.029 | 1 | 03/25/22 16:07 | 3/10/22 | |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/25/22 16:07 | 3/10/22 | |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/25/22 16:07 | 3/10/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 103 | 10 - 195 | 03/25/22 16:07 | |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202313 |
| **Project:** | 22A3944 | **Date Collected:** | 03/04/22 08:25 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 03/05/22 09:00 |
| **Sample Name:** | 22A3944-18 | **Basis:** | NA |
| **Lab Code:** | K2202313-001 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | **0.24 J** | mg/L | 0.50 | 0.07 | 1 | 03/17/22 18:19 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/07/22 12:24 | 03/07/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202313 |
| **Project:** | 22A3944 | **Date Collected:** | 03/04/22 08:25 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 03/05/22 09:00 |
| **Sample Name:** | 22A3944-20 | **Basis:** | NA |
| **Lab Code:** | K2202313-002 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | **0.10 J** | mg/L | 0.50 | 0.07 | 1 | 03/17/22 18:19 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/07/22 12:24 | 03/07/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202313 |
| **Project:** | 22A3944 | **Date Collected:** | 03/04/22 08:25 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 03/05/22 09:00 |
| **Sample Name:** | 22A3944-47 | **Basis:** | NA |
| **Lab Code:** | K2202313-003 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | **0.08 J** | mg/L | 0.50 | 0.07 | 1 | 03/17/22 18:19 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/07/22 12:24 | 03/07/22 | |

# QC Summary Forms

**ALS Environmental—Kelso Laboratory**
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# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
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www.alsglobal.com

QA/QC Report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2202313
**Project:** 22A3944
**Sample Matrix:** Elutriate, Liquid

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** EPA 3520C

| Sample Name | Lab Code | Tri-n-propyltin 10-195 |
|---|---|---|
| 22A3944-18 | K2202313-001 | 118 |
| 22A3944-20 | K2202313-002 | 101 |
| 22A3944-47 | K2202313-003 | 103 |
| Method Blank | KQ2203954-03 | 125 |
| Lab Control Sample | KQ2203954-01 | 83 |
| Duplicate Lab Control Sample | KQ2203954-02 | 87 |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202313 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | KQ2203954-03 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.050 | 0.029 | 1 | 03/25/22 14:45 | 3/10/22 | |
| Di-n-butyltin Cation | **0.039** | **J** | 0.050 | 0.0073 | 1 | 03/25/22 14:45 | 3/10/22 | |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 03/25/22 14:45 | 3/10/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 125 | 10 - 195 | 03/25/22 14:45 | |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202313 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/25/22 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | 03/10/22 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/L |
| **Prep Method:** | EPA 3520C | **Basis:** | NA |
| | | **Analysis Lot:** | 758434 |

| | Lab Control Sample KQ2203954-01 | | | Duplicate Lab Control Sample KQ2203954-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 0.301 | 0.383 | 79 | 0.348 | 0.383 | 91 | 10-200 | 14 | 30 |
| n-Butyltin Cation | 0.250 | 0.312 | 80 | 0.273 | 0.312 | 88 | 10-200 | 9 | 30 |
| Tri-n-butyltin Cation | 0.367 | 0.446 | 82 | 0.370 | 0.446 | 83 | 10-200 | <1 | 30 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2202313
**Date Collected:** 03/04/22 08:25
**Date Received:** 3/5/22

**Sample Name:** 22A3944-18
**Lab Code:** K2202313-001

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.0097 | 0.014 | 36 | J | 1 | 03/25/22 15:34 |
| n-Butyltin Cation | 0.029 | 0.076 | 0.077 | 1 | | 1 | 03/25/22 15:34 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2202313
**Date Collected:** 03/04/22 08:25
**Date Received:** 3/5/22

**Sample Name:** 22A3944-20
**Lab Code:** K2202313-002

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.012 | 0.012 | <1 | J | 1 | 03/25/22 15:51 |
| n-Butyltin Cation | 0.029 | 0.12 | 0.13 | 8 | | 1 | 03/25/22 15:51 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2202313
**Date Collected:** 03/04/22 08:25
**Date Received:** 3/5/22

**Sample Name:** 22A3944-47
**Lab Code:** K2202313-003

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.029 | 0.10 | 0.11 | 10 | | 1 | 03/25/22 16:07 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2202313
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2203954-01

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.301 | 0.344 | 13 | | 1 | 03/25/22 15:02 |
| Tri-n-butyltin Cation | 0.012 | 0.367 | 0.387 | 5 | | 1 | 03/25/22 15:02 |
| n-Butyltin Cation | 0.029 | 0.250 | 0.273 | 9 | | 1 | 03/25/22 15:02 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2202313
**Date Collected:** NA
**Date Received:**

**Sample Name:** Duplicate Lab Control Sample
**Lab Code:** KQ2203954-02

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.348 | 0.382 | 9 | | 1 | 03/25/22 15:18 |
| Tri-n-butyltin Cation | 0.012 | 0.370 | 0.386 | 4 | | 1 | 03/25/22 15:18 |
| n-Butyltin Cation | 0.029 | 0.273 | 0.275 | <1 | | 1 | 03/25/22 15:18 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2202313
**Date Collected:** NA
**Date Received:**

**Sample Name:** Method Blank
**Lab Code:** KQ2203954-03

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.039 | 0.044 | 12 | J | 1 | 03/25/22 14:45 |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202313 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2202313-MB1 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/17/22 18:19 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/07/22 12:24 | 03/07/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202313 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2202313-MB2 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/17/22 18:19 | |

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**Sample Matrix:** Elutriate, Liquid

**Service Request:** K2202313
**Date Analyzed:** 03/07/22 - 03/17/22

## Lab Control Sample Summary
## General Chemistry Parameters

**Units:**mg/L
**Basis:**NA

### Lab Control Sample
K2202313-LCS2

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | 24.4 | 25.0 | 98 | 83-117 |
| Cyanide, Total | SM 4500-CN- E | 0.0749 | 0.075 | 100 | 84-115 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202313 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/17/22 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | NA |

## Duplicate Lab Control Sample Summary
## General Chemistry Parameters

| | | | |
|---|---|---|---|
| **Analysis Method:** | 415.1 | **Units:** | mg/L |
| **Prep Method:** | None | **Basis:** | NA |
| | | **Analysis Lot:** | 757817 |

| | Lab Control Sample K2202313-LCS1 | | | Duplicate Lab Control Sample K2202313-DLCS1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Carbon, Total Organic | 24.7 | 25.0 | 99 | 24.7 | 25.0 | 99 | 83-117 | <1 | 20 |

June 02, 2022 Revised Service Request No: K2202311.01

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 22A3944**

Dear Monica,

Enclosed is the revised report of the sample(s) submitted to our laboratory March 04, 2022.

For your reference, these analyses have been assigned our service request number **K2202311.** Report has been revised to the MDL.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

REVISED
3:34 pm, Jun 02, 2022

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**Sample Matrix:** Ocean Water

**Service Request:** K2202311
**Date Received:** 03/04/2022

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

One ocean water sample was received for analysis at ALS Environmental on 03/04/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The sample was stored at minimum in accordance with the analytical method requirements.

**General Chemistry:**

No significant anomalies were noted with this analysis.

Approved by _____ Date 06/02/2022

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 22A3944-09 | | | Lab ID: K2202311-001 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic | 0.20 | J | 0.07 | 0.50 | mg/L | 415.1 |

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2202311
**Project:** 22A3944

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2202311-001 | 22A3944-09 | 2/24/2022 | 1225 |

NWDLS

K2202311

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-09** *Marine Water Sampled: 02/24/2022 12:25* | | | |
| Sub_CN T-4500 | 04/01/2022 | 03/10/2022 12:25 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/03/2022 12:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/24/2022 12:25 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-10** *Marine Water Sampled: 02/20/2022 17:25* | | | |
| Sub_CN T-4500 | 04/01/2022 | 03/06/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/27/2022 17:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/20/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-21** *Elutriate Sampled: 02/20/2022 15:30* | | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/06/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 02/27/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/20/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

April Dobbins 3/3/22 UPS 3/3/22

Rec by N Kedersen 3/4/22 1030

PM LR

# Cooler Receipt and Preservation Form

Client NWDLS Service Request K22 02311

Received: 3/14/22 Opened: 3/14/22 By: AP Unloaded: 3/14/22 By: AP

1. Samples were received via? *USPS* *Fed Ex* (*UPS*) *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA Y (N) If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp Indicate with "X" | PM Notified If out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| | 3.9 | IR07 | | | | 1Z 12W 40V 01 9617 3891 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

4. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column above:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA (Y) N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA (Y) N
13. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
14. Was C12/Res negative? (NA) Y N
15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? (NA) Y N Under filled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: _____

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

Analyst Summary report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202311 |
| **Project:** | 22A3944/ | | |

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-09 | **Date Collected:** | 02/24/22 |
| **Lab Code:** | K2202311-001 | **Date Received:** | 03/4/22 |
| **Sample Matrix:** | Ocean Water | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 415.1 | | MSPECHT |

# Sample Results

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www.alsglobal.com

# General Chemistry

**ALS Environmental—Kelso Laboratory**
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202311 |
| **Project:** | 22A3944 | **Date Collected:** | 02/24/22 12:25 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 03/04/22 10:30 |
| **Sample Name:** | 22A3944-09 | **Basis:** | NA |
| **Lab Code:** | K2202311-001 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | **0.20 J** | mg/L | 0.50 | 0.07 | 1 | 03/15/22 15:55 | |

# QC Summary Forms

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# General Chemistry

**ALS Environmental—Kelso Laboratory**
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www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202311 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2202311-MB1 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/15/22 15:55 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202311 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2202311-MB2 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/15/22 15:55 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202311 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/15/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | NA |

**Lab Control Sample Summary**
**Carbon, Total Organic**

| | | | |
|---|---|---|---|
| **Analysis Method:** | 415.1 | **Units:** | mg/L |
| **Prep Method:** | None | **Basis:** | NA |
| | | **Analysis Lot:** | 757491 |

| Sample Name | Lab Code | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Lab Control Sample | K2202311-LCS2 | 24.5 | 25.0 | 98 | 83-117 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202311 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/15/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | NA |

## Duplicate Lab Control Sample Summary
## General Chemistry Parameters

| | | | |
|---|---|---|---|
| **Analysis Method:** | 415.1 | **Units:** | mg/L |
| **Prep Method:** | None | **Basis:** | NA |
| | | **Analysis Lot:** | 757491 |

| | Lab Control Sample K2202311-LCS1 | | | Duplicate Lab Control Sample K2202311-DLCS1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Carbon, Total Organic | 25.0 | 25.0 | 100 | 25.1 | 25.0 | 100 | 83-117 | <1 | 20 |

June 02, 2022 Revised Service Request No: K2202218.01

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 22A3944**

Dear Monica,

Enclosed is the revised report of the sample(s) submitted to our laboratory March 03, 2022.

For your reference, these analyses have been assigned our service request number **K2202218.**

Report has been revised to the MDL.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental



REVISED
3:30 pm, Jun 02, 2022

# Narrative Documents

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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**Sample Matrix:** Sediment, Ocean Water

**Service Request:** K2202218
**Date Received:** 03/03/2022

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Four sediment, ocean water samples were received for analysis at ALS Environmental on 03/03/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

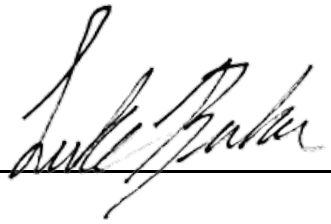
**Semivoa GC:**

Method ALS SOP: The analysis of Butyltins by ALS SOP requires the use of dual column confirmation. When the Continuing Calibration Verification (CCV) criterion is met for both columns, the lower of the two sample results is generally reported. The primary evaluation criteria were not met on the confirmation column for the surrogate compound Tri-n-propyltin. The results were reported from the column with an acceptable CCV. The data quality was not affected. No further corrective action was necessary.
Method ALS SOP: The analysis of Butyltins by ALS SOP requires the use of dual column confirmation. For the Initial Calibration Verification (ICV) at least one of the analytical systems in a dual column or dual detector system must meet the criteria. This criteria was met on one column for Tri-n-butyltin. The data quality was not affected. No further corrective action was necessary.

Method ALS SOP:The Relative Percent Difference (RPD) for Di-n-butyltin in the replicate Laboratory Control Sample (LCS) analyses (KQ2203383-01 and -02) was outside control criteria:. Recoveries of the individual analytes were within control criteria. The data was flagged to indicate the problem.
Method ALS SOP:The upper control criterion was exceeded for Tetra-n-butyltin in Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte in question. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was required.

**General Chemistry:**

No significant anomalies were noted with this analysis.

Approved by  Date 06/02/2022

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 22A3944-29 | | | Lab ID: K2202218-002 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 83.6 | | | | Percent | 160.3 Modified |

| CLIENT ID: 22A3944-30 | | | Lab ID: K2202218-003 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.33 | J | 0.30 | 1.1 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.28 | J | 0.26 | 0.96 | ug/Kg | ALS SOP |
| Solids, Total | 84.4 | | | | Percent | 160.3 Modified |

| CLIENT ID: 22A3944-38 | | | Lab ID: K2202218-004 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.43 | JP | 0.30 | 1.1 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.37 | JP | 0.26 | 0.98 | ug/Kg | ALS SOP |
| Solids, Total | 85.7 | | | | Percent | 160.3 Modified |

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2202218
**Project:** 22A3944

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2202218-001 | 22A3944-09 | 2/24/2022 | 1225 |
| K2202218-002 | 22A3944-29 | 2/26/2022 | 0945 |
| K2202218-003 | 22A3944-30 | 2/27/2022 | 1224 |
| K2202218-004 | 22A3944-38 | 2/24/2022 | 1750 |

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:** K220 2218

ALS Kelso
1317 South 13th Avenue
Kelso, WA 98626
Phone: (360) 577-7222
Fax:

## Work Order: 22A3944

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-07** ***Marine Water Sampled: 02/14/2022 17:25*** | | | |
| Sub_CN T 4500 | 04/01/2022 | 02/28/2022 17:25 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/21/2022 17:25 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/14/2022 17:25 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-08** ***Marine Water Sampled: 02/22/2022 16:00*** | | | |
| Sub_CN T 4500 | 04/01/2022 | 03/08/2022 16:00 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/01/2022 16:00 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/22/2022 16:00 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

## Work Order: 22A3944 (Continued)

IC220218

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-09** | ***Marine Water Sampled: 02/24/2022 12:25*** | | |
| Sub_CN T-4500 | 04/01/2022 | 03/10/2022 12:25 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/03/2022 12:25 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-10** | ***Marine Water Sampled: 02/20/2022 17:25*** | | |
| Sub_CN T-4500 | 04/01/2022 | 03/06/2022 17:25 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/27/2022 17:25 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 04/01/2022 | 03/20/2022 17:25 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-21** | ***Elutriate Sampled: 02/20/2022 15:30*** | | |
| Sub_CN T-ELUT | 04/01/2022 | 03/06/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 04/01/2022 | 02/27/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 04/01/2022 | 03/20/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

IC 2202218

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-28** ***Sediment Sampled: 02/11/2022 15:30*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/25/2022 15:30 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/11/2022 15:30 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-29** ***Sediment Sampled: 02/26/2022 09:45*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/12/2022 09:45 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-30** ***Sediment Sampled: 02/27/2022 12:24*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/13/2022 12:24 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-32** ***Sediment Sampled: 02/15/2022 15:10*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/01/2022 15:10 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/15/2022 15:10 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)

IC2202218

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-34** ***Sediment Sampled: 02/16/2022 18:47*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/02/2022 18:47 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/16/2022 18:47 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-36** ***Sediment Sampled: 02/22/2022 13:20*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/08/2022 13:20 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/22/2022 13:20 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-38** ***Sediment Sampled: 02/24/2022 17:50*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/10/2022 17:50 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-40** ***Sediment Sampled: 02/18/2022 17:31*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/04/2022 17:31 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/18/2022 17:31 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22A3944 (Continued)

1C7202218

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-41** ***Sediment*** ***Sampled: 02/19/2022 09:15*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/05/2022 09:15 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/19/2022 09:15 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-42** ***Sediment*** ***Sampled: 02/20/2022 15:30*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 03/06/2022 15:30 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/20/2022 15:30 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-45** ***Sediment*** ***Sampled: 02/11/2022 13:10*** | | | |
| Sub_Organotins-TX1001 | 04/01/2022 | 02/25/2022 13:10 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 04/01/2022 | 03/11/2022 13:10 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

Released By _____ Date 3/2/22

Received By UPS Date 3/2/22

Released by: UPS 3/3/22 Received by: Cody Cannon ALS 3/3/22 0950

PM Luke

# Cooler Receipt and Preservation Form

Client NWDLS Service Request K22 02218

Received: 3/3/22 Opened: 3/3/22 By: CG Unloaded: 3/3/22 By: CG

1. Samples were received via? *USPS* *Fed Ex* (*UPS*) *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA Y (N) If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp indicate with "X" | PM Notified If out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| — | 1.5 | IR02 | | — | | 1Z12W40V0193695805 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

4. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column above:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* (*Baggies*) (*Bubble Wrap*) *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA (Y) N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
14. Was C12/Res negative? (NA) Y N
15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? (NA) Y N Under filled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| 22A3944-09 | 250mL | | | ✓ | NaOH | 5mL | 19-CEN07-47-D | CG | 1205 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: SHORT HOLD TIME

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2202218
**Project:** 22A3944/

**Sample Name:** 22A3944-09 **Date Collected:** 02/24/22
**Lab Code:** K2202218-001 **Date Received:** 03/3/22
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | VWILSON | BBRIGHT |
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 22A3944-29 **Date Collected:** 02/26/22
**Lab Code:** K2202218-002 **Date Received:** 03/3/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | LAGUILAR |
| ALS SOP | VWILSON | BBRIGHT |

**Sample Name:** 22A3944-30 **Date Collected:** 02/27/22
**Lab Code:** K2202218-003 **Date Received:** 03/3/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | LAGUILAR |
| ALS SOP | VWILSON | BBRIGHT |

**Sample Name:** 22A3944-38 **Date Collected:** 02/24/22
**Lab Code:** K2202218-004 **Date Received:** 03/3/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | LAGUILAR |
| ALS SOP | VWILSON | BBRIGHT |

# Sample Results

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
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# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/24/22 12:25 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 03/03/22 09:50 |
| **Sample Name:** | 22A3944-09 | **Units:** | ug/L |
| **Lab Code:** | K2202218-001 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 03/10/22 17:48 | 3/2/22 | |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/10/22 17:48 | 3/2/22 | |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/10/22 17:48 | 3/2/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 96 | 10 - 195 | 03/10/22 17:48 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/26/22 09:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/03/22 09:50 |
| **Sample Name:** | 22A3944-29 | **Units:** | ug/Kg |
| **Lab Code:** | K2202218-002 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.31 | 1 | 03/11/22 13:28 | 3/7/22 | |
| Di-n-butyltin Cation | ND U | 1.2 | 0.23 | 1 | 03/11/22 13:28 | 3/7/22 | |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.52 | 1 | 03/11/22 13:28 | 3/7/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 73 | 10 - 152 | 03/11/22 13:28 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/26/22 09:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/03/22 09:50 |
| **Sample Name:** | 22A3944-29 | **Units:** | ug/Kg |
| **Lab Code:** | K2202218-002 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.99 | 0.26 | 1 | 03/11/22 13:28 | 3/7/22 | |
| Di-n-butyltin Cation | ND U | 0.99 | 0.19 | 1 | 03/11/22 13:28 | 3/7/22 | |
| Tri-n-butyltin Cation | ND U | 0.99 | 0.43 | 1 | 03/11/22 13:28 | 3/7/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/27/22 12:24 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/03/22 09:50 |
| **Sample Name:** | 22A3944-30 | **Units:** | ug/Kg |
| **Lab Code:** | K2202218-003 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.33** | **J** | 1.1 | 0.30 | 1 | 03/11/22 13:45 | 3/7/22 | |
| Di-n-butyltin Cation | ND | U | 1.1 | 0.22 | 1 | 03/11/22 13:45 | 3/7/22 | |
| Tri-n-butyltin Cation | ND | U | 1.1 | 0.49 | 1 | 03/11/22 13:45 | 3/7/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 67 | 10 - 152 | 03/11/22 13:45 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/27/22 12:24 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/03/22 09:50 |
| **Sample Name:** | 22A3944-30 | **Units:** | ug/Kg |
| **Lab Code:** | K2202218-003 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.28** | **J** | 0.96 | 0.26 | 1 | 03/11/22 13:45 | 3/7/22 | |
| Di-n-butyltin Cation | ND | U | 0.96 | 0.19 | 1 | 03/11/22 13:45 | 3/7/22 | |
| Tri-n-butyltin Cation | ND | U | 0.96 | 0.43 | 1 | 03/11/22 13:45 | 3/7/22 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/24/22 17:50 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/03/22 09:50 |
| **Sample Name:** | 22A3944-38 | **Units:** | ug/Kg |
| **Lab Code:** | K2202218-004 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.43 JP** | 1.1 | 0.30 | 1 | 03/11/22 14:01 | 3/7/22 | |
| Di-n-butyltin Cation | ND U | 1.1 | 0.22 | 1 | 03/11/22 14:01 | 3/7/22 | |
| Tri-n-butyltin Cation | ND U | 1.1 | 0.50 | 1 | 03/11/22 14:01 | 3/7/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 90 | 10 - 152 | 03/11/22 14:01 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/24/22 17:50 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/03/22 09:50 |
| **Sample Name:** | 22A3944-38 | **Units:** | ug/Kg |
| **Lab Code:** | K2202218-004 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.37** | **JP** | 0.98 | 0.26 | 1 | 03/11/22 14:01 | 3/7/22 | |
| Di-n-butyltin Cation | ND | U | 0.98 | 0.19 | 1 | 03/11/22 14:01 | 3/7/22 | |
| Tri-n-butyltin Cation | ND | U | 0.98 | 0.43 | 1 | 03/11/22 14:01 | 3/7/22 | |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/24/22 12:25 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 03/03/22 09:50 |
| **Sample Name:** | 22A3944-09 | **Basis:** | NA |
| **Lab Code:** | K2202218-001 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/07/22 12:24 | 03/07/22 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/26/22 09:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/03/22 09:50 |
| **Sample Name:** | 22A3944-29 | **Basis:** | As Received |
| **Lab Code:** | K2202218-002 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **83.6** | Percent | - | 1 | 03/03/22 17:01 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/27/22 12:24 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/03/22 09:50 |
| **Sample Name:** | 22A3944-30 | **Basis:** | As Received |
| **Lab Code:** | K2202218-003 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **84.4** | Percent | - | 1 | 03/03/22 17:01 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/24/22 17:50 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/03/22 09:50 |
| **Sample Name:** | 22A3944-38 | **Basis:** | As Received |
| **Lab Code:** | K2202218-004 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **85.7** | Percent | - | 1 | 03/03/22 17:01 | |

# QC Summary Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2202218
**Project:** 22A3944
**Sample Matrix:** Ocean Water

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** EPA 3520C

| Sample Name | Lab Code | Tri-n-propyltin 10-195 |
|---|---|---|
| 22A3944-09 | K2202218-001 | 96 |
| Method Blank | KQ2203383-03 | 100 |
| Lab Control Sample | KQ2203383-01 | 127 |
| Duplicate Lab Control Sample | KQ2203383-02 | 127 |

QA/QC Report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2202218
**Project:** 22A3944
**Sample Matrix:** Sediment

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** Method

| Sample Name | Lab Code | Tri-n-propyltin 10-152 |
|---|---|---|
| 22A3944-29 | K2202218-002 | 73 |
| 22A3944-30 | K2202218-003 | 67 |
| 22A3944-38 | K2202218-004 | 90 |
| Method Blank | KQ2203453-04 | 104 |
| Lab Control Sample | KQ2203453-03 | 97 |
| 22A3944-29 | KQ2203453-01 | 68 |
| 22A3944-29 | KQ2203453-02 | 58 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | 02/26/22 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/03/22 |
| | | **Date Analyzed:** | 03/11/22 |
| | | **Date Extracted:** | 03/7/22 |

**Duplicate Matrix Spike Summary**
**Butyltins**

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-29 | **Units:** | ug/Kg |
| **Lab Code:** | K2202218-002 | **Basis:** | Dry |
| **Analysis Method:** | ALS SOP | | |
| **Prep Method:** | Method | | |

| | | Matrix Spike KQ2203453-01 | | | Duplicate Matrix Spike KQ2203453-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Sample Result** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| n-Butyltin Cation | ND U | 6.32 | 18.4 | 34 | 5.77 | 18.6 | 31 | 10-200 | 9 | 40 |
| Di-n-butyltin Cation | ND U | 11.7 | 22.6 | 52 | 10.4 | 22.9 | 46 | 10-190 | 11 | 40 |
| Tri-n-butyltin Cation | ND U | 14.4 | 26.3 | 55 | 12.3 | 26.6 | 46 | 10-186 | 16 | 40 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.**

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | KQ2203383-03 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.050 | 0.029 | 1 | 03/10/22 15:53 | 3/2/22 | |
| Di-n-butyltin Cation | **0.029** | **J** | 0.050 | 0.0073 | 1 | 03/10/22 15:53 | 3/2/22 | |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 03/10/22 15:53 | 3/2/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 100 | 10 - 195 | 03/10/22 15:53 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2203453-04 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.96 | 0.26 | 1 | 03/11/22 12:56 | 3/7/22 | |
| Di-n-butyltin Cation | **0.25** | **J** | 0.96 | 0.19 | 1 | 03/11/22 12:56 | 3/7/22 | |
| Tri-n-butyltin Cation | ND | U | 0.96 | 0.43 | 1 | 03/11/22 12:56 | 3/7/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 104 | 10 - 152 | 03/11/22 12:56 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2203453-04 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.96 | 0.26 | 1 | 03/11/22 12:56 | 3/7/22 | |
| Di-n-butyltin Cation | **0.25** | **J** | 0.96 | 0.19 | 1 | 03/11/22 12:56 | 3/7/22 | |
| Tri-n-butyltin Cation | ND | U | 0.96 | 0.43 | 1 | 03/11/22 12:56 | 3/7/22 | |

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/11/22 |
| **Sample Matrix:** | Sediment | **Date Extracted:** | 03/07/22 |

## Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/Kg |
| **Prep Method:** | Method | **Basis:** | Dry |
| | | **Analysis Lot:** | 757211 |

### Lab Control Sample
### KQ2203453-03

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|
| Di-n-butyltin Cation | 14.7 | 19.2 | 76 | 10-190 |
| n-Butyltin Cation | 10.8 | 15.6 | 70 | 10-200 |
| Tri-n-butyltin Cation | 16.9 | 22.3 | 76 | 10-186 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/10/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 03/02/22 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/L |
| **Prep Method:** | EPA 3520C | **Basis:** | NA |
| | | **Analysis Lot:** | 757128 |

| | Lab Control Sample KQ2203383-01 | | | Duplicate Lab Control Sample KQ2203383-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 0.371 | 0.383 | 97 | 0.240 P | 0.383 | 63 | 10-200 | 43 * | 30 |
| n-Butyltin Cation | 0.252 | 0.312 | 81 | 0.282 | 0.312 | 90 | 10-200 | 11 | 30 |
| Tri-n-butyltin Cation | 0.413 | 0.446 | 93 | 0.457 | 0.446 | 103 | 10-200 | 10 | 30 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2202218
**Date Collected:** 02/27/22 12:24
**Date Received:** 3/3/22

**Sample Name:** 22A3944-30
**Lab Code:** K2202218-003

**Units:** ug/Kg
**Basis:** As Received
**Percent Solids:** 84.4

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.26 | 0.28 | 0.35 | 22 | J | 1 | 03/11/22 13:45 |
| n-Butyltin Cation | 0.30 | 0.33 | 0.42 | 24 | J | 1 | 03/11/22 13:45 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2202218
**Date Collected:** 02/24/22 17:50
**Date Received:** 3/3/22

**Sample Name:** 22A3944-38
**Lab Code:** K2202218-004

**Units:** ug/Kg
**Basis:** As Received
**Percent Solids:** 85.7

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.26 | 0.37 | 0.62 | 51 | JP | 1 | 03/11/22 14:01 |
| n-Butyltin Cation | 0.30 | 0.43 | 0.72 | 50 | JP | 1 | 03/11/22 14:01 |

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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2202218
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2203383-01

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.371 | 0.497 | 29 | | 1 | 03/10/22 16:10 |
| Tri-n-butyltin Cation | 0.012 | 0.413 | 0.519 | 23 | | 1 | 03/10/22 16:10 |
| n-Butyltin Cation | 0.029 | 0.252 | 0.335 | 28 | | 1 | 03/10/22 16:10 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2202218
**Date Collected:** NA
**Date Received:**

**Sample Name:** Duplicate Lab Control Sample
**Lab Code:** KQ2203383-02

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.240 | 0.447 | 60 | P | 1 | 03/10/22 16:26 |
| Tri-n-butyltin Cation | 0.012 | 0.457 | 0.574 | 23 | | 1 | 03/10/22 16:26 |
| n-Butyltin Cation | 0.029 | 0.282 | 0.300 | 6 | | 1 | 03/10/22 16:26 |

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**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2202218
**Date Collected:** NA
**Date Received:**

**Sample Name:** Method Blank
**Lab Code:** KQ2203383-03

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.029 | 0.035 | 19 | J | 1 | 03/10/22 15:53 |

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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2202218
**Date Collected:** 02/26/22 09:45
**Date Received:** 3/3/22

**Sample Name:** 22A3944-29
**Lab Code:** KQ2203453-01

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 83.6

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.23 | 11.7 | 14.8 | 23 | | 1 | 03/11/22 14:18 |
| Tri-n-butyltin Cation | 0.51 | 14.4 | 18.0 | 22 | | 1 | 03/11/22 14:18 |
| n-Butyltin Cation | 0.31 | 6.32 | 9.07 | 36 | | 1 | 03/11/22 14:18 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2202218
**Date Collected:** 02/26/22 09:45
**Date Received:** 3/3/22

**Sample Name:** 22A3944-29
**Lab Code:** KQ2203453-02

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 83.6

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.23 | 10.4 | 12.7 | 20 | | 1 | 03/11/22 14:34 |
| Tri-n-butyltin Cation | 0.52 | 12.3 | 15.4 | 22 | | 1 | 03/11/22 14:34 |
| n-Butyltin Cation | 0.32 | 5.77 | 8.27 | 36 | | 1 | 03/11/22 14:34 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2202218
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2203453-03

**Units:** ug/Kg
**Basis:** Dry

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.19 | 14.7 | 16.8 | 13 | | 1 | 03/11/22 13:12 |
| Tri-n-butyltin Cation | 0.43 | 16.9 | 20.7 | 20 | | 1 | 03/11/22 13:12 |
| n-Butyltin Cation | 0.26 | 10.8 | 13.6 | 23 | | 1 | 03/11/22 13:12 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2202218
**Date Collected:** NA
**Date Received:**

**Sample Name:** Method Blank
**Lab Code:** KQ2203453-04

**Units:** ug/Kg
**Basis:** Dry

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.19 | 0.25 | 0.37 | 39 | J | 1 | 03/11/22 12:56 |
| Di-n-butyltin Cation | 0.19 | 0.25 | 0.37 | 39 | J | 1 | 03/11/22 12:56 |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2202218-MB | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/07/22 12:24 | 03/07/22 | |

**ALS Group USA, Corp.**

**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project** | 22A3944 | **Date Collected:** | 02/26/22 |
| **Sample Matrix:** | Sediment | **Date Received:** | 03/03/22 |
| | | **Date Analyzed:** | 03/03/22 |

## Replicate Sample Summary
## Inorganic Parameters

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-29 | **Units:** | Percent |
| **Lab Code:** | K2202218-002 | **Basis:** | As Received |

| Analyte Name | Analysis Method | MRL | Sample Result | Duplicate Sample K2202218-002DUP Result | Average | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | - | 83.6 | 83.1 | 83.4 | <1 | 20 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202218 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/07/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 03/07/22 |

## Lab Control Sample Summary
## Cyanide, Total

| | | | |
|---|---|---|---|
| **Analysis Method:** | SM 4500-CN- E | **Units:** | mg/L |
| **Prep Method:** | SM 4500-CN-C | **Basis:** | NA |
| | | **Analysis Lot:** | 756752 |

| Sample Name | Lab Code | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Lab Control Sample | K2202218-LCS | 0.0749 | 0.075 | 100 | 84-115 |

May 27, 2022 Revised Service Request No: K2202145.01

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 22A3944**

Dear Monica,

Enclosed is the revised reort of the sample(s) submitted to our laboratory March 02, 2022.

For your reference, these analyses have been assigned our service request number **K2202145.**

Report has been revised to the MDL.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**



Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental



REVISED
1:09 pm, May 27, 2022

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**Sample Matrix:** Elutriate, Liquid, Ocean Water

**Service Request:** K2202145
**Date Received:** 03/02/2022

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Two elutriate, liquid, ocean water samples were received for analysis at ALS Environmental on 03/02/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Semivoa GC:**

Method ALS SOP:The upper control criterion was exceeded for Tetra-n-butyltin in Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte in question. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was required.

Method ALS SOP:The analysis of Butyltins by ALS SOP requires the use of dual column confirmation. When the Continuing Calibration Verification (CCV) criterion is met for both columns, the lower of the two sample results is generally reported. The primary evaluation criteria were not met on the confirmation column for the surrogate compound Tri-n-propyltin. The results were reported from the column with an acceptable CCV. The data quality was not affected. No further corrective action was necessary.
Method ALS SOP:Sample 22A3944-08 was received past holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data was flagged to indicate the holding time violation.
Method ALS SOP:The analysis of ALS SOP Butyltins requires the use of dual column confirmation. For the Initial Calibration Verification (ICV) at least one of the analytical systems in a dual column or dual detector system must meet the criteria. This criteria was met on one column for Tri-n-butyltin. The data quality was not affected. No further corrective action was necessary.

**General Chemistry:**

No significant anomalies were noted with this analysis.

Approved by _____ Date 05/27/2022

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2202145
**Project:** 22A3944

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2202145-001 | 22A3944-08 | 2/22/2022 | 1600 |
| K2202145-002 | 22A3944-21 | 2/25/2022 | 0745 |

K2202145

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

ALS Kelso
1317 South 13th Avenue
Kelso, WA 98626
Phone: (360) 577-7222
Fax:

## Work Order: 22A3944

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-07** ***Marine Water Sampled: 02/14/2022 17:25*** | | | |
| Sub_CN T-4500 | 03/18/2022 | 02/28/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 03/18/2022 | 02/21/2022 17:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 03/18/2022 | 03/14/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-08** ***Marine Water Sampled: 02/22/2022 16:00*** | | | |
| Sub_CN T-4500 | 03/18/2022 | 03/08/2022 16:00 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 03/18/2022 | 03/01/2022 16:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 03/18/2022 | 03/22/2022 16:00 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-10** ***Marine Water Sampled: 02/20/2022 17:25*** | | | |
| Sub_CN T-4500 | 03/18/2022 | 03/06/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 03/18/2022 | 02/27/2022 17:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 03/18/2022 | 03/20/2022 17:25 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-21** ***Elutriate Sampled: 02/20/2022 15:30*** | | | |
| Sub_CN T-ELUT | 03/18/2022 | 03/06/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/18/2022 | 02/27/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1-ELUT | 03/18/2022 | 03/20/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-28** ***Sediment Sampled: 02/11/2022 15:30*** | | | |
| Sub_Organotins-TX1001 | 03/18/2022 | 02/25/2022 15:30 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-9060 | 03/18/2022 | 03/11/2022 15:30 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

April Dobbins 3/1/22

UPS 3/1/22

ZH 3/2/22

1010

PM HL

# Cooler Receipt and Preservation Form

Client NWDLS Service Request K22 02145

Received: 3/2/22 Opened: 3/2/22 By: ZH Unloaded: 3/2/32 By: ZH

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp indicate with "X" | PM Notified If out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| | 2.9 | 1R01 | | | | 1212040V019795 | |
| | | | | | | 7088 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column above:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
14. Was C12/Res negative? NA Y N
15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? NA Y N Under filled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: Did not receive CN or TOC containers for 22A3944-08
: Did not receive Dibutyltin & TOC cont for 22A3944-21

SHORT HOLD TIME

1/13/22



Page ____ of ____

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
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## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

Analyst Summary report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202145 |
| **Project:** | 22A3944/ | | |

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-08 | **Date Collected:** | 02/22/22 |
| **Lab Code:** | K2202145-001 | **Date Received:** | 03/2/22 |
| **Sample Matrix:** | Ocean Water | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | VWILSON | BBRIGHT |

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-21 | **Date Collected:** | 02/25/22 |
| **Lab Code:** | K2202145-002 | **Date Received:** | 03/2/22 |
| **Sample Matrix:** | Elutriate, Liquid | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

# Sample Results

**ALS Environmental—Kelso Laboratory**
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Phone (360) 577-7222 Fax (360) 425-9096
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# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202145 |
| **Project:** | 22A3944 | **Date Collected:** | 02/22/22 16:00 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 03/02/22 10:10 |
| **Sample Name:** | 22A3944-08 | **Units:** | ug/L |
| **Lab Code:** | K2202145-001 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 03/10/22 18:04 | 3/2/22 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/10/22 18:04 | 3/2/22 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/10/22 18:04 | 3/2/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 101 | 10 - 195 | 03/10/22 18:04 | |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202145 |
| **Project:** | 22A3944 | **Date Collected:** | 02/25/22 07:45 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 03/02/22 10:10 |
| **Sample Name:** | 22A3944-21 | **Basis:** | NA |
| **Lab Code:** | K2202145-002 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/07/22 12:24 | 03/07/22 | |

# QC Summary Forms

**ALS Environmental—Kelso Laboratory**
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

QA/QC Report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2202145
**Project:** 22A3944
**Sample Matrix:** Ocean Water

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** EPA 3520C

| Sample Name | Lab Code | Tri-n-propyltin 10-195 |
|---|---|---|
| 22A3944-08 | K2202145-001 | 101 |
| Method Blank | KQ2203383-03 | 100 |
| Lab Control Sample | KQ2203383-01 | 127 |
| Duplicate Lab Control Sample | KQ2203383-02 | 127 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202145 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | KQ2203383-03 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.050 | 0.029 | 1 | 03/10/22 15:53 | 3/2/22 | |
| Di-n-butyltin Cation | **0.029** | **J** | 0.050 | 0.0073 | 1 | 03/10/22 15:53 | 3/2/22 | |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 03/10/22 15:53 | 3/2/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 100 | 10 - 195 | 03/10/22 15:53 | |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202145 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/10/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 03/02/22 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/L |
| **Prep Method:** | EPA 3520C | **Basis:** | NA |
| | | **Analysis Lot:** | 757128 |

| | Lab Control Sample KQ2203383-01 | | | Duplicate Lab Control Sample KQ2203383-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 0.371 | 0.383 | 97 | 0.240 P | 0.383 | 63 | 10-200 | 43 * | 30 |
| n-Butyltin Cation | 0.252 | 0.312 | 81 | 0.282 | 0.312 | 90 | 10-200 | 11 | 30 |
| Tri-n-butyltin Cation | 0.413 | 0.446 | 93 | 0.457 | 0.446 | 103 | 10-200 | 10 | 30 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2202145
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2203383-01

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.371 | 0.497 | 29 | | 1 | 03/10/22 16:10 |
| Tri-n-butyltin Cation | 0.012 | 0.413 | 0.519 | 23 | | 1 | 03/10/22 16:10 |
| n-Butyltin Cation | 0.029 | 0.252 | 0.335 | 28 | | 1 | 03/10/22 16:10 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2202145
**Date Collected:** NA
**Date Received:**

**Sample Name:** Duplicate Lab Control Sample
**Lab Code:** KQ2203383-02

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.240 | 0.447 | 60 | P | 1 | 03/10/22 16:26 |
| Tri-n-butyltin Cation | 0.012 | 0.457 | 0.574 | 23 | | 1 | 03/10/22 16:26 |
| n-Butyltin Cation | 0.029 | 0.282 | 0.300 | 6 | | 1 | 03/10/22 16:26 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2202145
**Date Collected:** NA
**Date Received:**

**Sample Name:** Method Blank
**Lab Code:** KQ2203383-03

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.029 | 0.035 | 19 | J | 1 | 03/10/22 15:53 |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202145 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2202145-MB | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/07/22 12:24 | 03/07/22 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2202145 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/07/22 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | 03/07/22 |

**Lab Control Sample Summary**
**Cyanide, Total**

| | | | |
|---|---|---|---|
| **Analysis Method:** | SM 4500-CN- E | **Units:** | mg/L |
| **Prep Method:** | SM 4500-CN-C | **Basis:** | NA |
| | | **Analysis Lot:** | 756752 |

| Sample Name | Lab Code | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Lab Control Sample | K2202145-LCS | 0.0749 | 0.075 | 100 | 84-115 |

June 02, 2022

Revised Service Request No: K2201845.01

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 22A3944**

Dear Monica,

Enclosed is the revised report of the sample(s) submitted to our laboratory February 26, 2022.

For your reference, these analyses have been assigned our service request number **K2201845.** Report has been revised to the MDL.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**



Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental



REVISED
3:02 pm, Jun 02, 2022

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Service Request:** K2201845
**Project:** 22A3944
**Date Received:** 02/21/2022 - 02/26/2022
**Sample Matrix:** Sediment, Ocean Water, Elutriate, Liquid

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Twelve sediment, ocean water, elutriate, liquid samples were received for analysis at ALS Environmental on 02/21/2022 - 02/26/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Semivoa GC:**

Method ALS SOP:The upper control criterion was exceeded for surrogate compound, Tri-n-propyltin, and Tetra-n-butlytin in Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain any target analytes. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was required.
Method ALS SOP:Samples were received past holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data was flagged to indicate the holding time violation.
Method ALS SOP:The analysis of Butyltins by ALS SOP requires the use of dual column confirmation. When the Continuing Calibration Verification (CCV) criterion is met for both columns, the lower of the two sample results is generally reported. The primary evaluation criteria were not met on the confirmation column for the surrogate compound Tri-n-propyltin. The results were reported from the column with an acceptable CCV. The data quality was not affected. No further corrective action was necessary.
Method ALS SOP:The analysis of ALS SOP Butyltins requires the use of dual column confirmation. For the Initial Calibration Verification (ICV) at least one of the analytical systems in a dual column or dual detector system must meet the criteria. This criteria was met on one column for Tri-n-butyltin. The data quality was not affected. No further corrective action was necessary.
Method ALS SOP:The Relative Percent Difference (RPD) for n-butyltin in the replicate Laboratory Control Sample (LCS) analyses (KQ2203083-01 and -02) was outside control criteria: Recoveries for the individual analytes was within control limits. The data was flagged to indicate the problem.

Method ALS SOP:The Relative Percent Difference (RPD) for Di-n-butyltin in the replicate Laboratory Control Sample (LCS) analyses (KQ2203383-01 and -02) was outside control criteria: Recoveries for the individual analytes was within control limits. The data was flagged to indicate the problem.

Method ALS SOP:Due to a extraction error the Method Blank KQ2203312-04, Laboratory Control Sample KQ2203312-03, Matrix Spike KQ2203312-01, Duplicate Matrix Spike KQ2203312-02 and
sample 22A3944-36 were taken to the incorrect final volume. A dilution was performed on the effected finished samples to correct the error.
Method ALS SOP: Samples 22A3944-10 and 22A3944-21 had retention time shifting outside of 0.03 minutes. The associated Method Blank and Laboratory Control Sample were also shifted outside the 0.03 minute window. Recoveries were within control limits. The data was not significantly effected.

**General Chemistry:**

No significant anomalies were noted with this analysis.

Approved by _____ Date 06/02/2022

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 22A3944-28 | | | Lab ID: K2201845-003 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic (TOC) | 0.05 | J | 0.02 | 0.10 | Percent | 9060 |
| Di-n-butyltin Cation | 0.25 | JP | 0.23 | 1.2 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.53 | JP | 0.52 | 1.2 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 0.20 | JP | 0.19 | 0.99 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.43 | U | 0.43 | 0.99 | ug/Kg | ALS SOP |
| Solids, Total | 81.5 | | | | Percent | 160.3 Modified |

| CLIENT ID: 22A3944-32 | | | Lab ID: K2201845-004 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic (TOC) | 0.03 | J | 0.02 | 0.10 | Percent | 9060 |
| Di-n-butyltin Cation | 0.27 | J | 0.22 | 1.1 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 1.1 | J | 0.49 | 1.1 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 0.24 | J | 0.19 | 0.98 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.91 | J | 0.43 | 0.98 | ug/Kg | ALS SOP |
| Solids, Total | 86.3 | | | | Percent | 160.3 Modified |

| CLIENT ID: 22A3944-34 | | | Lab ID: K2201845-005 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 80.0 | | | | Percent | 160.3 Modified |

| CLIENT ID: 22A3944-40 | | | Lab ID: K2201845-006 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 74.9 | | | | Percent | 160.3 Modified |

| CLIENT ID: 22A3944-41 | | | Lab ID: K2201845-007 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 82.9 | | | | Percent | 160.3 Modified |

| CLIENT ID: 22A3944-42 | | | Lab ID: K2201845-008 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 82.0 | | | | Percent | 160.3 Modified |

| CLIENT ID: 22A3944-45 | | | Lab ID: K2201845-009 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic (TOC) | 0.03 | J | 0.02 | 0.10 | Percent | 9060 |
| Solids, Total | 81.7 | | | | Percent | 160.3 Modified |

| CLIENT ID: 22A3944-21 | | | Lab ID: K2201845-011 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.16 | | 0.029 | 0.050 | ug/L | ALS SOP |
| Di-n-butyltin Cation | 0.012 | J | 0.0073 | 0.050 | ug/L | ALS SOP |

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 22A3944-36 | | | Lab ID: K2201845-012 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Carbon, Total Organic (TOC) | 0.02 | J | 0.02 | 0.10 | Percent | 9060 |
| Solids, Total | 76.1 | | | | Percent | 160.3 Modified |

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2201845
**Project:** 22A3944

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2201845-001 | 22A3944-07 | 2/14/2022 | 1725 |
| K2201845-002 | 22A3944-10 | 2/20/2022 | 1725 |
| K2201845-003 | 22A3944-28 | 2/11/2022 | 1530 |
| K2201845-004 | 22A3944-32 | 2/15/2022 | 1510 |
| K2201845-005 | 22A3944-34 | 2/16/2022 | 1847 |
| K2201845-006 | 22A3944-40 | 2/18/2022 | 1731 |
| K2201845-007 | 22A3944-41 | 2/19/2022 | 0915 |
| K2201845-008 | 22A3944-42 | 2/20/2022 | 1530 |
| K2201845-009 | 22A3944-45 | 2/11/2022 | 1310 |
| K2201845-010 | 22A3944-08 | 2/22/2022 | 1600 |
| K2201845-011 | 22A3944-21 | 2/20/2022 | 1530 |
| K2201845-012 | 22A3944-36 | 2/22/2022 | 1320 |

NWDLS
Northwest Data Laboratory Services, Inc.

K2201845

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22A3944 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-10** *Marine Water* *Sampled: 02/20/2022 17:25* | | | |
| Sub_CN T-4500 | 03/18/2022 | 03/06/2022 17:25 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 03/18/2022 | 02/27/2022 17:25 | |
| *Analyte(s):* Dibutyltin, Monobutyltin, Tributyltin | | | |
| Dibutyltin, Monobutyltin, Tributyltin | | | |
| TOC-415.1 | 03/18/2022 | 03/20/2022 17:25 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-21** *Elutriate* *Sampled: 02/20/2022 15:30* | | | |
| Sub_CN T-ELUT | 03/18/2022 | 03/06/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/18/2022 | 02/27/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Dibutyltin, Monobutyltin, Tributyltin | | | |
| TOC-415.1-ELUT | 03/18/2022 | 03/20/2022 15:30 | Leached: 02/25/2022 07:45 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-28** *Sediment* *Sampled: 02/11/2022 15:30* | | | |
| Sub_Organotins-TX1001 | 03/18/2022 | 02/25/2022 15:30 | |
| *Analyte(s):* Dibutyltin, Monobutyltin, Tributyltin | | | |
| Dibutyltin, Monobutyltin, Tributyltin | | | |
| TOC-9060 | 03/18/2022 | 03/11/2022 15:30 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

April Dobbins 2/28/22

UPS 2/28/22

2/11/22 1015

K22018495

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

ALS Kelso
1317 South 13th Avenue
Kelso, WA 98626
Phone: (360) 577-7222
Fax:

## Work Order: 22A3944

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22A3944-07** ***Marine Water Sampled: 02/14/2022 17:25*** | | | |
| Sub_CN T-4500 | 03/18/2022 | 02/28/2022 17:25 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 03/18/2022 | 02/21/2022 17:25 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 03/18/2022 | 03/14/2022 17:25 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 22A3944-08** ***Marine Water Sampled: 02/22/2022 16:00*** | | | |
| Sub_CN T-4500 | 03/18/2022 | 03/08/2022 16:00 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 03/18/2022 | 03/01/2022 16:00 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| TOC-415.1 | 03/18/2022 | 03/22/2022 16:00 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

PM LR

# Cooler Receipt and Preservation Form

Client NWDLS Service Request K22 01845

Received: 3/1/22 Opened: 3/1/22 By: BR Unloaded: 3/1/22 By: BR

1. Samples were received via? *USPS* *Fed Ex* (*UPS*) *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA Y (N) If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp indicate with "X" | PM Notified If out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| NA | 39 | IR01 | | | | 1Z 12W40V01977 0678 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

4. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column above:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* (*Bubble Wrap*) *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA (Y) N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA (Y) N
13. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
14. Was C12/Res negative? (NA) Y N
15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? (NA) Y N Under filled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

SHORT HOLD TIME

Notes, Discrepancies, Resolutions: _____

:_____

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2201845
**Project:** 22A3944/

**Sample Name:** 22A3944-07 **Date Collected:** 02/14/22
**Lab Code:** K2201845-001 **Date Received:** 02/21/22
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 415.1 | | MSPECHT |
| ALS SOP | VWILSON | BBRIGHT |
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 22A3944-10 **Date Collected:** 02/20/22
**Lab Code:** K2201845-002 **Date Received:** 02/24/22
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 415.1 | | MSPECHT |
| ALS SOP | VWILSON | BBRIGHT |
| SM 4500-CN- E | KCHAN | KCHAN |

**Sample Name:** 22A3944-28 **Date Collected:** 02/11/22
**Lab Code:** K2201845-003 **Date Received:** 02/24/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | JBAKER |
| 9060 | DBRADBURY | DBRADBURY |
| ALS SOP | VWILSON | BBRIGHT |

**Sample Name:** 22A3944-32 **Date Collected:** 02/15/22
**Lab Code:** K2201845-004 **Date Received:** 02/24/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | JBAKER |
| 9060 | DBRADBURY | DBRADBURY |
| ALS SOP | VWILSON | BBRIGHT |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2201845
**Project:** 22A3944/

**Sample Name:** 22A3944-34 **Date Collected:** 02/16/22
**Lab Code:** K2201845-005 **Date Received:** 02/24/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | JBAKER |
| 9060 | DBRADBURY | DBRADBURY |
| ALS SOP | VWILSON | BBRIGHT |

**Sample Name:** 22A3944-40 **Date Collected:** 02/18/22
**Lab Code:** K2201845-006 **Date Received:** 02/24/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | JBAKER |
| 9060 | DBRADBURY | DBRADBURY |
| ALS SOP | VWILSON | BBRIGHT |

**Sample Name:** 22A3944-41 **Date Collected:** 02/19/22
**Lab Code:** K2201845-007 **Date Received:** 02/24/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | JBAKER |
| 9060 | DBRADBURY | DBRADBURY |
| ALS SOP | VWILSON | BBRIGHT |

**Sample Name:** 22A3944-42 **Date Collected:** 02/20/22
**Lab Code:** K2201845-008 **Date Received:** 02/24/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | JBAKER |
| 9060 | DBRADBURY | DBRADBURY |
| ALS SOP | VWILSON | BBRIGHT |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2201845
**Project:** 22A3944/

**Sample Name:** 22A3944-45 **Date Collected:** 02/11/22
**Lab Code:** K2201845-009 **Date Received:** 02/24/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | JBAKER |
| 9060 | DBRADBURY | DBRADBURY |
| ALS SOP | VWILSON | BBRIGHT |

**Sample Name:** 22A3944-08 **Date Collected:** 02/22/22
**Lab Code:** K2201845-010 **Date Received:** 02/26/22
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 415.1 | | MSPECHT |
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 22A3944-21 **Date Collected:** 02/20/22
**Lab Code:** K2201845-011 **Date Received:** 02/26/22
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 415.1 | | MSPECHT |
| ALS SOP | VWILSON | BBRIGHT |

**Sample Name:** 22A3944-36 **Date Collected:** 02/22/22
**Lab Code:** K2201845-012 **Date Received:** 02/26/22
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | IRIOS |
| 9060 | DBRADBURY | DBRADBURY |
| ALS SOP | VWILSON | BBRIGHT |

# Sample Results

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/14/22 17:25 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/21/22 10:00 |
| **Sample Name:** | 22A3944-07 | **Units:** | ug/L |
| **Lab Code:** | K2201845-001 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 03/08/22 22:40 | 2/23/22 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/08/22 22:40 | 2/23/22 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/08/22 22:40 | 2/23/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 73 | 10 - 195 | 03/08/22 22:40 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/20/22 17:25 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-10 | **Units:** | ug/L |
| **Lab Code:** | K2201845-002 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 03/10/22 20:31 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/10/22 20:31 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/10/22 20:31 | 2/25/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 65 | 10 - 195 | 03/10/22 20:31 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/11/22 15:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-28 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-003 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.32 | 1 | 03/08/22 16:27 | 2/25/22 | |
| Di-n-butyltin Cation | **0.25 JP** | 1.2 | 0.23 | 1 | 03/08/22 16:27 | 2/25/22 | |
| Tri-n-butyltin Cation | **0.53 JP** | 1.2 | 0.52 | 1 | 03/08/22 16:27 | 2/25/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 82 | 10 - 152 | 03/08/22 16:27 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/11/22 15:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-28 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-003 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.99 | 0.26 | 1 | 03/08/22 16:27 | 2/25/22 | |
| Di-n-butyltin Cation | **0.20 JP** | 0.99 | 0.19 | 1 | 03/08/22 16:27 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 0.99 | 0.43 | 1 | 03/08/22 16:27 | 2/25/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/15/22 15:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-32 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-004 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 1.1 | 0.30 | 1 | 03/08/22 17:16 | 2/25/22 | |
| Di-n-butyltin Cation | **0.27** | **J** | 1.1 | 0.22 | 1 | 03/08/22 17:16 | 2/25/22 | |
| Tri-n-butyltin Cation | **1.1** | **J** | 1.1 | 0.49 | 1 | 03/08/22 17:16 | 2/25/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 74 | 10 - 152 | 03/08/22 17:16 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/15/22 15:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-32 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-004 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.98 | 0.26 | 1 | 03/08/22 17:16 | 2/25/22 | |
| Di-n-butyltin Cation | **0.24** | **J** | 0.98 | 0.19 | 1 | 03/08/22 17:16 | 2/25/22 | |
| Tri-n-butyltin Cation | **0.91** | **J** | 0.98 | 0.43 | 1 | 03/08/22 17:16 | 2/25/22 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/16/22 18:47 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-34 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-005 | **Basis:** | Dry |

**Butyltins**

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.33 | 1 | 03/08/22 17:33 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 1.2 | 0.24 | 1 | 03/08/22 17:33 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.54 | 1 | 03/08/22 17:33 | 2/25/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 81 | 10 - 152 | 03/08/22 17:33 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/16/22 18:47 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-34 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-005 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.99 | 0.26 | 1 | 03/08/22 17:33 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 0.99 | 0.19 | 1 | 03/08/22 17:33 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 0.99 | 0.43 | 1 | 03/08/22 17:33 | 2/25/22 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/18/22 17:31 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-40 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-006 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.3 | 0.35 | 1 | 03/08/22 17:49 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 1.3 | 0.26 | 1 | 03/08/22 17:49 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 1.3 | 0.58 | 1 | 03/08/22 17:49 | 2/25/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 72 | 10 - 152 | 03/08/22 17:49 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/18/22 17:31 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-40 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-006 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.0 | 0.26 | 1 | 03/08/22 17:49 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 1.0 | 0.19 | 1 | 03/08/22 17:49 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 1.0 | 0.43 | 1 | 03/08/22 17:49 | 2/25/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/19/22 09:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-41 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-007 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.31 | 1 | 03/08/22 18:05 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 1.2 | 0.23 | 1 | 03/08/22 18:05 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.51 | 1 | 03/08/22 18:05 | 2/25/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 94 | 10 - 152 | 03/08/22 18:05 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/19/22 09:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-41 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-007 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.98 | 0.26 | 1 | 03/08/22 18:05 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 0.98 | 0.19 | 1 | 03/08/22 18:05 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 0.98 | 0.43 | 1 | 03/08/22 18:05 | 2/25/22 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/20/22 15:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-42 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-008 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.32 | 1 | 03/08/22 18:22 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 1.2 | 0.24 | 1 | 03/08/22 18:22 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.53 | 1 | 03/08/22 18:22 | 2/25/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 75 | 10 - 152 | 03/08/22 18:22 | |

**ALS Group USA, Corp.**
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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/20/22 15:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-42 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-008 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.0 | 0.26 | 1 | 03/08/22 18:22 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 1.0 | 0.19 | 1 | 03/08/22 18:22 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 1.0 | 0.43 | 1 | 03/08/22 18:22 | 2/25/22 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/11/22 13:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-45 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-009 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.32 | 1 | 03/08/22 18:39 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 1.2 | 0.23 | 1 | 03/08/22 18:39 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.53 | 1 | 03/08/22 18:39 | 2/25/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 64 | 10 - 152 | 03/08/22 18:39 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/11/22 13:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-45 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-009 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.99 | 0.26 | 1 | 03/08/22 18:39 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 0.99 | 0.19 | 1 | 03/08/22 18:39 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 0.99 | 0.43 | 1 | 03/08/22 18:39 | 2/25/22 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/20/22 15:30 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/26/22 10:00 |
| **Sample Name:** | 22A3944-21 | **Units:** | ug/L |
| **Lab Code:** | K2201845-011 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.16** | 0.050 | 0.029 | 1 | 03/10/22 16:59 | 3/2/22 | * |
| Di-n-butyltin Cation | **0.012 J** | 0.050 | 0.0073 | 1 | 03/10/22 16:59 | 3/2/22 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/10/22 16:59 | 3/2/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 142 | 10 - 195 | 03/10/22 16:59 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/22/22 13:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/26/22 10:00 |
| **Sample Name:** | 22A3944-36 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-012 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 2.0 | 1.1 | 4 | 03/08/22 13:43 | 3/3/22 | |
| Di-n-butyltin Cation | ND U | 2.4 | 0.76 | 4 | 03/08/22 13:43 | 3/3/22 | |
| Tri-n-butyltin Cation | ND U | 2.8 | 1.8 | 4 | 03/08/22 13:43 | 3/3/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 87 | 10 - 152 | 03/08/22 13:43 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/22/22 13:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/26/22 10:00 |
| **Sample Name:** | 22A3944-36 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-012 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 2.0 | 1.1 | 4 | 03/08/22 13:43 | 3/3/22 | |
| Di-n-butyltin Cation | ND U | 2.4 | 0.76 | 4 | 03/08/22 13:43 | 3/3/22 | |
| Tri-n-butyltin Cation | ND U | 2.8 | 1.8 | 4 | 03/08/22 13:43 | 3/3/22 | |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/14/22 17:25 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/21/22 10:00 |
| **Sample Name:** | 22A3944-07 | **Basis:** | NA |
| **Lab Code:** | K2201845-001 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/07/22 14:48 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/23/22 12:16 | 02/23/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/20/22 17:25 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-10 | **Basis:** | NA |
| **Lab Code:** | K2201845-002 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/07/22 14:48 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/28/22 11:22 | 02/28/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/11/22 15:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-28 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2201845-003 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | **0.05 J** | Percent | 0.10 | 0.02 | 1 | 03/04/22 11:02 | 03/03/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/11/22 15:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-28 | **Basis:** | As Received |
| **Lab Code:** | K2201845-003 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **81.5** | Percent | - | - | 1 | 02/24/22 14:46 | NA | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/15/22 15:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-32 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2201845-004 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | **0.03 J** | Percent | 0.10 | 0.02 | 1 | 03/04/22 11:02 | 03/03/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/15/22 15:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-32 | **Basis:** | As Received |
| **Lab Code:** | K2201845-004 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **86.3** | Percent | - | - | 1 | 02/24/22 14:46 | NA | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/16/22 18:47 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-34 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2201845-005 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | ND U | Percent | 0.10 | 0.02 | 1 | 03/04/22 11:02 | 03/03/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/16/22 18:47 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-34 | **Basis:** | As Received |
| **Lab Code:** | K2201845-005 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **80.0** | Percent | - | - | 1 | 02/24/22 14:46 | NA | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/18/22 17:31 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-40 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2201845-006 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | ND U | Percent | 0.10 | 0.02 | 1 | 03/04/22 11:02 | 03/03/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/18/22 17:31 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-40 | **Basis:** | As Received |
| **Lab Code:** | K2201845-006 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **74.9** | Percent | - | - | 1 | 02/24/22 14:46 | NA | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/19/22 09:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-41 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2201845-007 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | ND U | Percent | 0.10 | 0.02 | 1 | 03/04/22 11:02 | 03/03/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/19/22 09:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-41 | **Basis:** | As Received |
| **Lab Code:** | K2201845-007 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **82.9** | Percent | - | - | 1 | 02/24/22 14:46 | NA | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/20/22 15:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-42 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2201845-008 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | ND U | Percent | 0.10 | 0.02 | 1 | 03/04/22 11:02 | 03/03/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/20/22 15:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-42 | **Basis:** | As Received |
| **Lab Code:** | K2201845-008 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **82.0** | Percent | - | - | 1 | 02/24/22 14:46 | NA | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/11/22 13:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-45 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2201845-009 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | **0.03 J** | Percent | 0.10 | 0.02 | 1 | 03/04/22 11:02 | 03/03/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/11/22 13:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 10:10 |
| **Sample Name:** | 22A3944-45 | **Basis:** | As Received |
| **Lab Code:** | K2201845-009 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **81.7** | Percent | - | - | 1 | 02/24/22 14:46 | NA | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/22/22 16:00 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/26/22 10:00 |
| **Sample Name:** | 22A3944-08 | **Basis:** | NA |
| **Lab Code:** | K2201845-010 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/07/22 14:48 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/07/22 12:24 | 03/07/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/20/22 15:30 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/26/22 10:00 |
| **Sample Name:** | 22A3944-21 | **Basis:** | NA |
| **Lab Code:** | K2201845-011 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/07/22 14:48 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/22/22 13:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/26/22 10:00 |
| **Sample Name:** | 22A3944-36 | **Basis:** | Dry, per Method |
| **Lab Code:** | K2201845-012 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | **0.02 J** | Percent | 0.10 | 0.02 | 1 | 03/04/22 11:02 | 03/03/22 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/22/22 13:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/26/22 10:00 |
| **Sample Name:** | 22A3944-36 | **Basis:** | As Received |
| **Lab Code:** | K2201845-012 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **76.1** | Percent | - | - | 1 | 03/02/22 16:30 | NA | |

# QC Summary Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2201845

**Project:** 22A3944

**Sample Matrix:** Ocean Water

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP

**Extraction Method:** EPA 3520C

| Sample Name | Lab Code | Tri-n-propyltin 10-195 |
|---|---|---|
| 22A3944-07 | K2201845-001 | 73 |
| 22A3944-10 | K2201845-002 | 65 |
| Method Blank | KQ2202936-03 | 54 |
| Method Blank | KQ2203083-03 | 60 |
| Lab Control Sample | KQ2202936-01 | 78 |
| Duplicate Lab Control Sample | KQ2202936-02 | 81 |
| Lab Control Sample | KQ2203083-01 | 46 |
| Duplicate Lab Control Sample | KQ2203083-02 | 69 |

QA/QC Report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2201845
**Project:** 22A3944
**Sample Matrix:** Sediment

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** Method

| Sample Name | Lab Code | Tri-n-propyltin 10-152 |
|---|---|---|
| 22A3944-28 | K2201845-003 | 82 |
| 22A3944-32 | K2201845-004 | 74 |
| 22A3944-34 | K2201845-005 | 81 |
| 22A3944-40 | K2201845-006 | 72 |
| 22A3944-41 | K2201845-007 | 94 |
| 22A3944-42 | K2201845-008 | 75 |
| 22A3944-45 | K2201845-009 | 64 |
| 22A3944-36 | K2201845-012 | 87 |
| Method Blank | KQ2203058-04 | 79 |
| Method Blank | KQ2203312-04 | 122 |
| Lab Control Sample | KQ2203058-03 | 83 |
| Lab Control Sample | KQ2203312-03 | 117 |
| 22A3944-28 | KQ2203058-01 | 71 |
| 22A3944-28 | KQ2203058-02 | 56 |
| 22A3944-36 | KQ2203312-01 | 74 |
| 22A3944-36 | KQ2203312-02 | 96 |

QA/QC Report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2201845
**Project:** 22A3944
**Sample Matrix:** Elutriate, Liquid

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** EPA 3520C

| Sample Name | Lab Code | Tri-n-propyltin 10-195 |
|---|---|---|
| 22A3944-21 | K2201845-011 | 142 |
| Method Blank | KQ2203383-03 | 100 |
| Lab Control Sample | KQ2203383-01 | 127 |
| Duplicate Lab Control Sample | KQ2203383-02 | 127 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/11/22 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 |
| | | **Date Analyzed:** | 03/8/22 |
| | | **Date Extracted:** | 02/25/22 |

**Duplicate Matrix Spike Summary**
**Butyltins**

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-28 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-003 | **Basis:** | Dry |
| **Analysis Method:** | ALS SOP | | |
| **Prep Method:** | Method | | |

| | | Matrix Spike KQ2203058-01 | | | Duplicate Matrix Spike KQ2203058-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Sample Result** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| n-Butyltin Cation | ND U | 3.09 | 18.9 | 16 | 1.44 | 18.8 | 8 * | 10-200 | 73* | 40 |
| Di-n-butyltin Cation | 0.25 J | 11.5 | 23.3 | 48 | 9.45 | 23.1 | 40 | 10-190 | 20 | 40 |
| Tri-n-butyltin Cation | 0.53 J | 15.0 | 27.1 | 53 | 13.0 | 26.8 | 47 | 10-186 | 14 | 40 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.**

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | 02/22/22 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/26/22 |
| | | **Date Analyzed:** | 03/8/22 |
| | | **Date Extracted:** | 03/3/22 |

**Duplicate Matrix Spike Summary**
**Butyltins**

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-36 | **Units:** | ug/Kg |
| **Lab Code:** | K2201845-012 | **Basis:** | Dry |
| **Analysis Method:** | ALS SOP | | |
| **Prep Method:** | Method | | |

| | | Matrix Spike KQ2203312-01 | | | Duplicate Matrix Spike KQ2203312-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Sample Result** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| n-Butyltin Cation | ND U | 9.23 | 20.0 | 46 | 10.7 | 20.1 | 53 | 10-200 | 14 | 40 |
| Di-n-butyltin Cation | ND U | 15.7 | 24.6 | 64 | 18.0 | 24.7 | 73 | 10-190 | 13 | 40 |
| Tri-n-butyltin Cation | ND U | 18.3 | 28.6 | 64 | 21.4 | 28.8 | 74 | 10-186 | 15 | 40 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.**

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | KQ2202936-03 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 03/08/22 19:30 | 2/23/22 | |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/08/22 19:30 | 2/23/22 | |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/08/22 19:30 | 2/23/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 54 | 10 - 195 | 03/08/22 19:30 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2203058-04 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.98 | 0.26 | 1 | 03/08/22 15:54 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 0.98 | 0.19 | 1 | 03/08/22 15:54 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 0.98 | 0.43 | 1 | 03/08/22 15:54 | 2/25/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 79 | 10 - 152 | 03/08/22 15:54 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2203058-04 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.98 | 0.26 | 1 | 03/08/22 15:54 | 2/25/22 | |
| Di-n-butyltin Cation | ND U | 0.98 | 0.19 | 1 | 03/08/22 15:54 | 2/25/22 | |
| Tri-n-butyltin Cation | ND U | 0.98 | 0.43 | 1 | 03/08/22 15:54 | 2/25/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | KQ2203083-03 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.050 | 0.029 | 1 | 03/10/22 19:42 | 2/25/22 | |
| Di-n-butyltin Cation | **0.012** | **J** | 0.050 | 0.0073 | 1 | 03/10/22 19:42 | 2/25/22 | |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 03/10/22 19:42 | 2/25/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 60 | 10 - 195 | 03/10/22 19:42 | |

**ALS Group USA, Corp.**
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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2203312-04 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 2.0 | 1.1 | 4 | 03/08/22 12:54 | 3/3/22 | |
| Di-n-butyltin Cation | ND U | 2.4 | 0.76 | 4 | 03/08/22 12:54 | 3/3/22 | |
| Tri-n-butyltin Cation | ND U | 2.8 | 1.8 | 4 | 03/08/22 12:54 | 3/3/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 122 | 10 - 152 | 03/08/22 12:54 | |

**ALS Group USA, Corp.**
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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2203312-04 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 2.0 | 1.1 | 4 | 03/08/22 12:54 | 3/3/22 | |
| Di-n-butyltin Cation | ND U | 2.4 | 0.76 | 4 | 03/08/22 12:54 | 3/3/22 | |
| Tri-n-butyltin Cation | ND U | 2.8 | 1.8 | 4 | 03/08/22 12:54 | 3/3/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | KQ2203383-03 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.050 | 0.029 | 1 | 03/10/22 15:53 | 3/2/22 | |
| Di-n-butyltin Cation | **0.029** | **J** | 0.050 | 0.0073 | 1 | 03/10/22 15:53 | 3/2/22 | |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 03/10/22 15:53 | 3/2/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 100 | 10 - 195 | 03/10/22 15:53 | |

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/08/22 |
| **Sample Matrix:** | Sediment | **Date Extracted:** | 02/25/22 |

## Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/Kg |
| **Prep Method:** | Method | **Basis:** | Dry |
| | | **Analysis Lot:** | 756924 |

### Lab Control Sample
### KQ2203058-03

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|
| Di-n-butyltin Cation | 12.6 | 19.2 | 66 | 10-190 |
| n-Butyltin Cation | 6.32 | 15.6 | 41 | 10-200 |
| Tri-n-butyltin Cation | 14.6 | 22.3 | 66 | 10-186 |

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/08/22 |
| **Sample Matrix:** | Sediment | **Date Extracted:** | 03/03/22 |

## Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/Kg |
| **Prep Method:** | Method | **Basis:** | Dry |
| | | **Analysis Lot:** | 756670 |

### Lab Control Sample
### KQ2203312-03

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|
| Di-n-butyltin Cation | 15.0 | 19.2 | 78 | 10-190 |
| n-Butyltin Cation | 11.2 | 15.6 | 72 | 10-200 |
| Tri-n-butyltin Cation | 19.0 | 22.3 | 85 | 10-186 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/08/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 02/23/22 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/L |
| **Prep Method:** | EPA 3520C | **Basis:** | NA |
| | | **Analysis Lot:** | 756305 |

| | Lab Control Sample KQ2202936-01 | | | Duplicate Lab Control Sample KQ2202936-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 0.237 | 0.383 | 62 | 0.237 | 0.383 | 62 | 10-200 | <1 | 30 |
| n-Butyltin Cation | 0.199 | 0.312 | 64 | 0.184 | 0.312 | 59 | 10-200 | 8 | 30 |
| Tri-n-butyltin Cation | 0.251 | 0.446 | 56 | 0.279 | 0.446 | 63 | 10-200 | 10 | 30 |

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/10/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 02/25/22 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/L |
| **Prep Method:** | EPA 3520C | **Basis:** | NA |
| | | **Analysis Lot:** | 756982 |

| | Lab Control Sample KQ2203083-01 | | | Duplicate Lab Control Sample KQ2203083-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 0.155 | 0.383 | 40 | 0.208 | 0.383 | 54 | 10-200 | 29 | 30 |
| n-Butyltin Cation | 0.140 | 0.312 | 45 | 0.218 | 0.312 | 70 | 10-200 | 44 * | 30 |
| Tri-n-butyltin Cation | 0.186 | 0.446 | 42 | 0.273 | 0.446 | 61 | 10-200 | 38 * | 30 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/10/22 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | 03/02/22 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/L |
| **Prep Method:** | EPA 3520C | **Basis:** | NA |
| | | **Analysis Lot:** | 757128 |

| | Lab Control Sample KQ2203383-01 | | | Duplicate Lab Control Sample KQ2203383-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 0.371 | 0.383 | 97 | 0.240 P | 0.383 | 63 | 10-200 | 43 * | 30 |
| n-Butyltin Cation | 0.252 | 0.312 | 81 | 0.282 | 0.312 | 90 | 10-200 | 11 | 30 |
| Tri-n-butyltin Cation | 0.413 | 0.446 | 93 | 0.457 | 0.446 | 103 | 10-200 | 10 | 30 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2201845
**Date Collected:** 02/11/22 15:30
**Date Received:** 2/24/22

**Sample Name:** 22A3944-28
**Lab Code:** K2201845-003

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 81.5

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.23 | 0.25 | 0.43 | 53 | JP | 1 | 03/08/22 16:27 |
| Di-n-butyltin Cation | 0.19 | 0.20 | 0.35 | 55 | JP | 1 | 03/08/22 16:27 |
| Tri-n-butyltin Cation | 0.52 | 0.53 | 0.81 | 42 | JP | 1 | 03/08/22 16:27 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2201845
**Date Collected:** 02/15/22 15:10
**Date Received:** 2/24/22

**Sample Name:** 22A3944-32
**Lab Code:** K2201845-004

**Units:** ug/Kg
**Basis:** As Received
**Percent Solids:** 86.3

**Butyltins**

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.19 | 0.24 | 0.33 | 32 | J | 1 | 03/08/22 17:16 |
| Di-n-butyltin Cation | 0.22 | 0.27 | 0.38 | 34 | J | 1 | 03/08/22 17:16 |
| Tri-n-butyltin Cation | 0.49 | 1.1 | 1.4 | 24 | J | 1 | 03/08/22 17:16 |
| Tri-n-butyltin Cation | 0.43 | 0.91 | 1.2 | 27 | J | 1 | 03/08/22 17:16 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2201845
**Date Collected:** 02/20/22 15:30
**Date Received:** 2/26/22

**Sample Name:** 22A3944-21
**Lab Code:** K2201845-011

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.012 | 0.013 | 8 | J | 1 | 03/10/22 16:59 |
| n-Butyltin Cation | 0.029 | 0.16 | 0.20 | 22 | | 1 | 03/10/22 16:59 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2201845
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2202936-01

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.237 | 0.306 | 25 | | 1 | 03/08/22 19:47 |
| Tri-n-butyltin Cation | 0.012 | 0.251 | 0.356 | 35 | | 1 | 03/08/22 19:47 |
| n-Butyltin Cation | 0.029 | 0.199 | 0.247 | 22 | | 1 | 03/08/22 19:47 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2201845
**Date Collected:** NA
**Date Received:**

**Sample Name:** Duplicate Lab Control Sample
**Lab Code:** KQ2202936-02

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.237 | 0.303 | 24 | | 1 | 03/08/22 20:05 |
| Tri-n-butyltin Cation | 0.012 | 0.279 | 0.356 | 24 | | 1 | 03/08/22 20:05 |
| n-Butyltin Cation | 0.029 | 0.184 | 0.224 | 20 | | 1 | 03/08/22 20:05 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2201845
**Date Collected:** 02/11/22 15:30
**Date Received:** 2/24/22

**Sample Name:** 22A3944-28
**Lab Code:** KQ2203058-01

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 81.5

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.24 | 11.5 | 13.2 | 14 | | 1 | 03/08/22 18:56 |
| Tri-n-butyltin Cation | 0.53 | 15.0 | 18.2 | 19 | | 1 | 03/08/22 18:56 |
| n-Butyltin Cation | 0.32 | 3.09 | 3.69 | 18 | | 1 | 03/08/22 18:56 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2201845
**Date Collected:** 02/11/22 15:30
**Date Received:** 2/24/22

**Sample Name:** 22A3944-28
**Lab Code:** KQ2203058-02

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 81.5

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.23 | 9.45 | 11.5 | 20 | | 1 | 03/08/22 19:13 |
| Tri-n-butyltin Cation | 0.52 | 13.0 | 16.2 | 22 | | 1 | 03/08/22 19:13 |
| n-Butyltin Cation | 0.32 | 1.44 | 1.99 | 32 | | 1 | 03/08/22 19:13 |

**ALS Group USA, Corp.**
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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2201845
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2203058-03

**Units:** ug/Kg
**Basis:** Dry

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.19 | 12.6 | 15.1 | 18 | | 1 | 03/08/22 16:11 |
| Tri-n-butyltin Cation | 0.43 | 14.6 | 18.2 | 22 | | 1 | 03/08/22 16:11 |
| n-Butyltin Cation | 0.26 | 6.32 | 7.39 | 16 | | 1 | 03/08/22 16:11 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2201845
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2203083-01

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.155 | 0.195 | 23 | | 1 | 03/10/22 19:59 |
| Tri-n-butyltin Cation | 0.012 | 0.186 | 0.239 | 25 | | 1 | 03/10/22 19:59 |
| n-Butyltin Cation | 0.029 | 0.140 | 0.178 | 24 | | 1 | 03/10/22 19:59 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2201845
**Date Collected:** NA
**Date Received:**

**Sample Name:** Duplicate Lab Control Sample
**Lab Code:** KQ2203083-02

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.208 | 0.262 | 23 | | 1 | 03/10/22 20:15 |
| Tri-n-butyltin Cation | 0.012 | 0.273 | 0.351 | 25 | | 1 | 03/10/22 20:15 |
| n-Butyltin Cation | 0.029 | 0.218 | 0.267 | 20 | | 1 | 03/10/22 20:15 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Ocean Water

**Service Request:** K2201845
**Date Collected:** NA
**Date Received:**

**Sample Name:** Method Blank
**Lab Code:** KQ2203083-03

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.012 | 0.017 | 34 | J | 1 | 03/10/22 19:42 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2201845
**Date Collected:** 02/22/22 13:20
**Date Received:** 2/26/22

**Sample Name:** 22A3944-36
**Lab Code:** KQ2203312-01

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 76.1

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.76 | 15.7 | 18.4 | 16 | | 4 | 03/08/22 15:22 |
| Tri-n-butyltin Cation | 1.8 | 18.3 | 22.0 | 18 | | 4 | 03/08/22 15:22 |
| n-Butyltin Cation | 1.1 | 9.23 | 10.4 | 12 | | 4 | 03/08/22 15:22 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2201845
**Date Collected:** 02/22/22 13:20
**Date Received:** 2/26/22

**Sample Name:** 22A3944-36
**Lab Code:** KQ2203312-02

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 76.1

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.76 | 18.0 | 21.3 | 17 | | 4 | 03/08/22 15:38 |
| Tri-n-butyltin Cation | 1.8 | 21.4 | 25.9 | 19 | | 4 | 03/08/22 15:38 |
| n-Butyltin Cation | 1.1 | 10.7 | 12.0 | 11 | | 4 | 03/08/22 15:38 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Sediment

**Service Request:** K2201845
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2203312-03

**Units:** ug/Kg
**Basis:** Dry

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.76 | 15.0 | 17.5 | 15 | | 4 | 03/08/22 13:11 |
| Tri-n-butyltin Cation | 1.8 | 19.0 | 22.1 | 15 | | 4 | 03/08/22 13:11 |
| n-Butyltin Cation | 1.1 | 11.2 | 12.7 | 13 | | 4 | 03/08/22 13:11 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2201845
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2203383-01

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.371 | 0.497 | 29 | | 1 | 03/10/22 16:10 |
| Tri-n-butyltin Cation | 0.012 | 0.413 | 0.519 | 23 | | 1 | 03/10/22 16:10 |
| n-Butyltin Cation | 0.029 | 0.252 | 0.335 | 28 | | 1 | 03/10/22 16:10 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2201845
**Date Collected:** NA
**Date Received:**

**Sample Name:** Duplicate Lab Control Sample
**Lab Code:** KQ2203383-02

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.240 | 0.447 | 60 | P | 1 | 03/10/22 16:26 |
| Tri-n-butyltin Cation | 0.012 | 0.457 | 0.574 | 23 | | 1 | 03/10/22 16:26 |
| n-Butyltin Cation | 0.029 | 0.282 | 0.300 | 6 | | 1 | 03/10/22 16:26 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**SRM Matrix:** Elutriate, Liquid

**Service Request:** K2201845
**Date Collected:** NA
**Date Received:**

**Sample Name:** Method Blank
**Lab Code:** KQ2203383-03

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.029 | 0.035 | 19 | J | 1 | 03/10/22 15:53 |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | Dry, per Method |
| **Lab Code:** | K2201845-MB1 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic (TOC) | 9060 | ND U | Percent | 0.10 | 0.02 | 1 | 03/04/22 11:02 | 03/03/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2201845-MB2 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/07/22 14:48 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/23/22 12:16 | 02/23/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2201845-MB3 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | ND U | mg/L | 0.50 | 0.07 | 1 | 03/07/22 14:48 | NA | |
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/28/22 11:22 | 02/28/22 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2201845-MB4 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 03/07/22 12:24 | 03/07/22 | |

**ALS Group USA, Corp.**

**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project** | 22A3944 | **Date Collected:** | 02/11/22 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/24/22 |
| | | **Date Analyzed:** | 02/24/22 |

## Replicate Sample Summary
## Inorganic Parameters

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-28 | **Units:** | Percent |
| **Lab Code:** | K2201845-003 | **Basis:** | As Received |

| Analyte Name | Analysis Method | MRL | Sample Result | Duplicate Sample K2201845-003DUP Result | Average | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | - | 81.5 | 80.8 | 81.2 | <1 | 20 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**ALS Group USA, Corp.**

**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project** | 22A3944 | **Date Collected:** | 02/22/22 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/26/22 |
| | | **Date Analyzed:** | 03/02/22 |

## Replicate Sample Summary
## Inorganic Parameters

| | | | |
|---|---|---|---|
| **Sample Name:** | 22A3944-36 | **Units:** | Percent |
| **Lab Code:** | K2201845-012 | **Basis:** | As Received |

| Analyte Name | Analysis Method | MRL | Sample Result | Duplicate Sample K2201845-012DUP Result | Average | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | - | 76.1 | 73.8 | 75.0 | 3 | 20 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Analyzed:** | 03/04/22 |
| **Sample Matrix:** | Sediment | **Date Extracted:** | 03/03/22 |

**Lab Control Sample Summary**
**Carbon, Total Organic (TOC)**

| | | | |
|---|---|---|---|
| **Analysis Method:** | 9060 | **Units:** | Percent |
| **Prep Method:** | Method | **Basis:** | Dry, per Method |
| | | **Analysis Lot:** | 756614 |

| Sample Name | Lab Code | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Lab Control Sample | K2201845-LCS1 | 0.470 | 0.43 | 109 | 72-122 |

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**Sample Matrix:** Ocean Water

**Service Request:** K2201845
**Date Analyzed:** 02/23/22 - 03/07/22

## Lab Control Sample Summary
## General Chemistry Parameters

**Units:**mg/L
**Basis:**NA

### Lab Control Sample
K2201845-LCS3

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | 25.1 | 25.0 | 100 | 83-117 |
| Cyanide, Total | SM 4500-CN- E | 0.0687 | 0.075 | 92 | 84-115 |

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22A3944
**Sample Matrix:** Ocean Water

**Service Request:** K2201845
**Date Analyzed:** 03/07/22

## Lab Control Sample Summary
## General Chemistry Parameters

**Units:**mg/L
**Basis:**NA

### Lab Control Sample
K2201845-LCS4

| Analyte Name | Analytical Method | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Carbon, Total Organic | 415.1 | 24.7 | 25.0 | 99 | 83-117 |
| Cyanide, Total | SM 4500-CN- E | 0.0749 | 0.075 | 100 | 84-115 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2201845 |
| **Project:** | 22A3944 | **Date Analyzed:** | 02/28/22 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 02/28/22 |

## Duplicate Lab Control Sample Summary
## General Chemistry Parameters

| | | | |
|---|---|---|---|
| **Analysis Method:** | SM 4500-CN- E | **Units:** | mg/L |
| **Prep Method:** | SM 4500-CN-C | **Basis:** | NA |
| | | **Analysis Lot:** | 755881 |

| | Lab Control Sample K2201845-LCS2 | | | Duplicate Lab Control Sample K2201845-DLCS2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Cyanide, Total | 0.0783 | 0.075 | 104 | 0.0790 | 0.075 | 105 | 84-115 | <1 | 20 |

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-22-36
TCEQ-TOX T104704202-21-16

September 14, 2022

# LAB REPORT

Gregg Pawlak
Terracon_Houston
11555 Clay Road
Houston, TX 77043

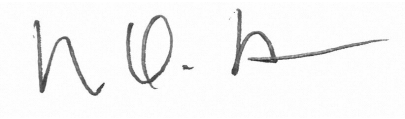
Report ID: 20220914134931MM

RE: PCCA CDP TISSUE CHEM

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Monica O. Martin
Chief Administrative Officer

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Email: lab@nwdls.com
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TCEQ T104704238-22-36
TCEQ-TOX T104704202-21-16

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Work Order Case Narrative

A total of 46 samples were collected on:

| Laboratory ID | Sample Name | Sample Date |
|---|---|---|
| 22F4240-01 | MM-CDP-06-1 | 04/14/2022 13:00 |
| 22F4240-02 | MM-CDP-06-2 | 04/14/2022 13:00 |
| 22F4240-03 | MM-CDP-06-3 | 04/14/2022 13:00 |
| 22F4240-04 | MM-CDP-06-4 | 04/14/2022 13:00 |
| 22F4240-05 | MM-CDP-06-5 | 04/14/2022 13:00 |
| 22F4240-06 | MM-CDP-07-1 | 04/14/2022 13:00 |
| 22F4240-07 | MM-CDP-07-2 | 04/14/2022 13:00 |
| 22F4240-08 | MM-CDP-07-3 | 04/14/2022 13:00 |
| 22F4240-09 | MM-CDP-07-4 | 04/14/2022 13:00 |
| 22F4240-10 | MM-CDP-07-5 | 04/14/2022 13:00 |
| 22F4240-11 | MM-CDP-08-1 | 04/14/2022 13:00 |
| 22F4240-12 | MM-CDP-08-2 | 04/14/2022 13:00 |
| 22F4240-13 | MM-CDP-08-3 | 04/14/2022 13:00 |
| 22F4240-14 | MM-CDP-08-4 | 04/14/2022 13:00 |
| 22F4240-15 | MM-CDP-08-5 | 04/14/2022 13:00 |
| 22F4240-16 | MM-CDP-09-1 | 04/14/2022 13:00 |
| 22F4240-17 | MM-CDP-09-2 | 04/14/2022 13:00 |
| 22F4240-18 | MM-CDP-09-3 | 04/14/2022 13:00 |
| 22F4240-19 | MM-CDP-09-4 | 04/14/2022 13:00 |
| 22F4240-20 | MM-CDP-09-5 | 04/14/2022 13:00 |
| 22F4240-21 | MM-CDP-PRETEST-1 | 04/14/2022 13:00 |
| 22F4240-22 | MM-CDP-PRETEST-2 | 04/14/2022 13:00 |
| 22F4240-23 | MM-CDP-PRETEST-3 | 04/14/2022 13:00 |
| 22F4240-24 | NV-CDP-06-1 | 04/15/2022 13:00 |
| 22F4240-25 | NV-CDP-06-2 | 04/15/2022 13:00 |
| 22F4240-26 | NV-CDP-06-3 | 04/15/2022 13:00 |
| 22F4240-27 | NV-CDP-06-4 | 04/15/2022 13:00 |
| 22F4240-28 | NV-CDP-06-5 | 04/15/2022 13:00 |
| 22F4240-29 | NV-CDP-07-1 | 04/15/2022 13:00 |
| 22F4240-30 | NV-CDP-07-2 | 04/15/2022 13:00 |
| 22F4240-31 | NV-CDP-07-3 | 04/15/2022 13:00 |
| 22F4240-32 | NV-CDP-07-4 | 04/15/2022 13:00 |
| 22F4240-33 | NV-CDP-07-5 | 04/15/2022 13:00 |
| 22F4240-34 | NV-CDP-08-1 | 04/15/2022 13:00 |
| 22F4240-35 | NV-CDP-08-2 | 04/15/2022 13:00 |
| 22F4240-36 | NV-CDP-08-3 | 04/15/2022 13:00 |
| 22F4240-37 | NV-CDP-08-4 | 04/15/2022 13:00 |
| 22F4240-38 | NV-CDP-08-5 | 04/15/2022 13:00 |
| 22F4240-39 | NV-CDP-09-1 | 04/15/2022 13:00 |
| 22F4240-40 | NV-CDP-09-2 | 04/15/2022 13:00 |
| 22F4240-41 | NV-CDP-09-3 | 04/15/2022 13:00 |
| 22F4240-42 | NV-CDP-09-4 | 04/15/2022 13:00 |
| 22F4240-43 | NV-CDP-09-5 | 04/15/2022 13:00 |
| 22F4240-44 | NV-CDP-PRETEST-1 | 04/15/2022 13:00 |
| 22F4240-45 | NV-CDP-PRETEST-2 | 04/15/2022 13:00 |
| 22F4240-46 | NV-CDP-PRETEST-3 | 04/15/2022 13:00 |

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-22-36
TCEQ-TOX T104704202-21-16

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

NTP was granted to NWDLS on 06/21/2022 16:00. Samples were held in freezer storage until analysis began. Any receiving discrepancies are recorded and stored in NWDLS' database. The samples received a Work Order of 22F4240. The lab sample IDs, client sample IDs, and dates of collection can be found at the top of each result page.

NWDLS provided their lowest detection limit for all requested analyses. Note that detection and reporting limits are adjusted to account for sample specific parameters.

Any QC that did not meet the laboratory specified control limits was flagged and reported with qualifiers. For additional information, please refer to the included quality control data pages.

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-22-36
TCEQ-TOX T104704202-21-16

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results

Client Sample ID: MM-CDP-06-1
Lab Sample ID: 22F4240-01
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Acenaphthylene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Anthracene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.90U | ug/kg | 1 | 4.90 | 4.90 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.45B, U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Chrysene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 2.47 | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Fluoranthene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Fluorene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Naphthalene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Phenanthrene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| SW-8270 | Pyrene | A | <2.45U | ug/kg | 1 | 2.45 | 2.45 | BFG3159 | 08/24/2022 22:37 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *72.4%* | *60-140* | | | | | *08/24/2022 22:37* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *93.9%* | *60-140* | | | | | *08/24/2022 22:37* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *81.1%* | *60-140* | | | | | *08/24/2022 22:37* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *83.9%* | *60-140* | | | | | *08/24/2022 22:37* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *95.5%* | *60-140* | | | | | *08/24/2022 22:37* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *25.0% S* | *60-140* | | | | | *08/24/2022 22:37* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00283U | mg/kg | 1 | 0.00283 | 0.0352 | BFI0218 | 09/08/2022 14:17 | TBB |
| EPA 200.8 | Arsenic | N | 1.17 | mg/kg | 1 | 0.00433 | 0.0176 | BFI0218 | 09/08/2022 14:17 | TBB |
| EPA 200.8 | Beryllium | N | 0.00303J | mg/kg | 1 | 0.000352 | 0.00704 | BFI0218 | 09/08/2022 14:17 | TBB |
| EPA 200.8 | Cadmium | N | 0.0633 | mg/kg | 1 | 0.00111 | 0.0352 | BFI0218 | 09/08/2022 14:17 | TBB |
| EPA 200.8 | Chromium | N | 0.0285V, J | mg/kg | 1 | 0.00259 | 0.106 | BFI0218 | 09/08/2022 14:17 | TBB |
| EPA 200.8 | Copper | N | 1.46V | mg/kg | 1 | 0.00306 | 0.0352 | BFI0218 | 09/08/2022 14:17 | TBB |
| SW-7471B | Mercury | A | <0.00455 U | mg/kg | 1 | 0.00455 | 0.00909 | BFG2911 | 07/22/2022 17:16 | EM |
| EPA 200.8 | Lead | N | 0.0505 | mg/kg | 1 | 0.00266 | 0.0176 | BFI0218 | 09/08/2022 14:17 | TBB |
| EPA 200.8 | Nickel | N | 0.362V | mg/kg | 1 | 0.000623 | 0.0352 | BFI0218 | 09/08/2022 14:17 | TBB |
| EPA 200.8 | Selenium | N | 0.167J | mg/kg | 1 | 0.0387 | 0.176 | BFI0218 | 09/08/2022 14:17 | TBB |
| EPA 200.8 | Silver | N | 0.0170J | mg/kg | 1 | 0.000250 | 0.0176 | BFI0218 | 09/08/2022 14:17 | TBB |
| EPA 200.8 | Thallium | N | 0.000352J | mg/kg | 1 | 0.000243 | 0.0176 | BFI0218 | 09/08/2022 14:17 | TBB |
| EPA 200.8 | Zinc | N | 14.5 | mg/kg | 2 | 0.0264 | 0.141 | BFI0218 | 09/09/2022 10:03 | TBB |
| **General Chemistry** | | | | | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-1 (Continued)
Lab Sample ID: 22F4240-01
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.3 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-01RE1 | Date Collected: | 04/14/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 20.2 | V | ug/kg | 2 | 9.80 | 9.80 | BFG3159 | 08/25/2022 23:08 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *44.3%* | *S* | *60-140* | | | | | *08/25/2022 23:08* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *69.9%* | | *60-140* | | | | | *08/25/2022 23:08* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *60.3%* | | *60-140* | | | | | *08/25/2022 23:08* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *59.2%* | *S* | *60-140* | | | | | *08/25/2022 23:08* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *81.7%* | | *60-140* | | | | | *08/25/2022 23:08* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *41.9%* | *S* | *60-140* | | | | | *08/25/2022 23:08* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-2
Lab Sample ID: 22F4240-02
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Acenaphthylene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Anthracene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.42U | ug/kg | 1 | 4.42 | 4.42 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.21B, U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Chrysene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 5.35 | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Fluoranthene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Fluorene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Naphthalene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Phenanthrene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Phenol, Total | A | 34.0V | ug/kg | 1 | 4.42 | 4.42 | BFG3159 | 08/24/2022 23:12 | KRB |
| SW-8270 | Pyrene | A | <2.21U | ug/kg | 1 | 2.21 | 2.21 | BFG3159 | 08/24/2022 23:12 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *75.7%* | *60-140* | | | | | *08/24/2022 23:12* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *85.5%* | *60-140* | | | | | *08/24/2022 23:12* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *85.1%* | *60-140* | | | | | *08/24/2022 23:12* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *83.9%* | *60-140* | | | | | *08/24/2022 23:12* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *108%* | *60-140* | | | | | *08/24/2022 23:12* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *22.5% S* | *60-140* | | | | | *08/24/2022 23:12* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0372U | mg/kg | 1 | 0.0372 | 0.462 | BFH1125 | 08/17/2022 13:44 | TBB |
| EPA 200.8 | Arsenic | N | 1.23 | mg/kg | 1 | 0.0568 | 0.231 | BFH1125 | 08/17/2022 13:44 | TBB |
| EPA 200.8 | Beryllium | N | <0.00462U | mg/kg | 1 | 0.00462 | 0.0923 | BFH1125 | 08/17/2022 13:44 | TBB |
| EPA 200.8 | Cadmium | N | 0.0640J | mg/kg | 1 | 0.0146 | 0.462 | BFH1125 | 08/17/2022 13:44 | TBB |
| EPA 200.8 | Chromium | N | 0.199J | mg/kg | 1 | 0.0339 | 1.38 | BFH1125 | 08/17/2022 13:44 | TBB |
| EPA 200.8 | Copper | N | 1.60 | mg/kg | 1 | 0.0402 | 0.462 | BFH1125 | 08/17/2022 13:44 | TBB |
| SW-7471B | Mercury | A | <0.00472 U | mg/kg | 1 | 0.00472 | 0.00945 | BFG2911 | 07/22/2022 17:19 | EM |
| EPA 200.8 | Lead | N | 0.0453J | mg/kg | 1 | 0.0348 | 0.231 | BFH1125 | 08/17/2022 13:44 | TBB |
| EPA 200.8 | Nickel | N | 0.371J | mg/kg | 1 | 0.00817 | 0.462 | BFH1125 | 08/17/2022 13:44 | TBB |
| EPA 200.8 | Selenium | N | <0.508U | mg/kg | 1 | 0.508 | 2.31 | BFH1125 | 08/23/2022 10:57 | TBB |
| EPA 200.8 | Silver | N | 0.0195J | mg/kg | 1 | 0.00328 | 0.231 | BFH1125 | 08/17/2022 13:44 | TBB |
| EPA 200.8 | Thallium | N | <0.00318U | mg/kg | 1 | 0.00318 | 0.231 | BFH1125 | 08/17/2022 13:44 | TBB |
| EPA 200.8 | Zinc | N | 10.8 | mg/kg | 1 | 0.173 | 0.923 | BFH1125 | 08/23/2022 10:57 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-2 (Continued) | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-02 | Date Collected: | 04/14/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.5 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-3
Lab Sample ID: 22F4240-03
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Acenaphthylene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Anthracene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.83U | ug/kg | 1 | 4.83 | 4.83 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.41B, U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Chrysene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Fluoranthene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Fluorene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Naphthalene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Phenanthrene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Phenol, Total | A | 48.5V | ug/kg | 1 | 4.83 | 4.83 | BFG3159 | 08/24/2022 23:47 | KRB |
| SW-8270 | Pyrene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/24/2022 23:47 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *71.7%* | *60-140* | | | | | *08/24/2022 23:47* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *88.2%* | *60-140* | | | | | *08/24/2022 23:47* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *82.1%* | *60-140* | | | | | *08/24/2022 23:47* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *81.9%* | *60-140* | | | | | *08/24/2022 23:47* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *107%* | *60-140* | | | | | *08/24/2022 23:47* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *22.9% S* | *60-140* | | | | | *08/24/2022 23:47* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0374U | mg/kg | 1 | 0.0374 | 0.465 | BFH1125 | 08/17/2022 13:54 | TBB |
| EPA 200.8 | Arsenic | N | 1.24 | mg/kg | 1 | 0.0572 | 0.233 | BFH1125 | 08/17/2022 13:54 | TBB |
| EPA 200.8 | Beryllium | N | <0.00465U | mg/kg | 1 | 0.00465 | 0.0930 | BFH1125 | 08/17/2022 13:54 | TBB |
| EPA 200.8 | Cadmium | N | 0.0712J | mg/kg | 1 | 0.0147 | 0.465 | BFH1125 | 08/17/2022 13:54 | TBB |
| EPA 200.8 | Chromium | N | 0.0481J | mg/kg | 1 | 0.0342 | 1.40 | BFH1125 | 08/17/2022 13:54 | TBB |
| EPA 200.8 | Copper | N | 1.98 | mg/kg | 1 | 0.0405 | 0.465 | BFH1125 | 08/17/2022 13:54 | TBB |
| SW-7471B | Mercury | A | <0.00458 U | mg/kg | 1 | 0.00458 | 0.00916 | BFG2911 | 07/22/2022 17:22 | EM |
| EPA 200.8 | Lead | N | 0.0569J | mg/kg | 1 | 0.0351 | 0.233 | BFH1125 | 08/17/2022 13:54 | TBB |
| EPA 200.8 | Nickel | N | 0.417J | mg/kg | 1 | 0.00823 | 0.465 | BFH1125 | 08/17/2022 13:54 | TBB |
| EPA 200.8 | Selenium | N | <0.512U | mg/kg | 1 | 0.512 | 2.33 | BFH1125 | 08/25/2022 12:27 | TBB |
| EPA 200.8 | Silver | N | 0.0239J | mg/kg | 1 | 0.00330 | 0.233 | BFH1125 | 08/17/2022 13:54 | TBB |
| EPA 200.8 | Thallium | N | <0.00321U | mg/kg | 1 | 0.00321 | 0.233 | BFH1125 | 08/17/2022 13:54 | TBB |
| EPA 200.8 | Zinc | N | 13.1 | mg/kg | 1 | 0.175 | 0.930 | BFH1125 | 08/23/2022 11:06 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-3 (Continued) | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-03 | Date Collected: | 04/14/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 11.1 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-4
Lab Sample ID: 22F4240-04
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Acenaphthylene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Anthracene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.82U | ug/kg | 1 | 4.82 | 4.82 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.41B, U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Chrysene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 2.71 | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Fluoranthene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Fluorene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Naphthalene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Phenanthrene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Phenol, Total | A | 52.9V | ug/kg | 1 | 4.82 | 4.82 | BFG3159 | 08/25/2022 00:22 | KRB |
| SW-8270 | Pyrene | A | <2.41U | ug/kg | 1 | 2.41 | 2.41 | BFG3159 | 08/25/2022 00:22 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *72.7%* | *60-140* | | | | | *08/25/2022 00:22* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *84.4%* | *60-140* | | | | | *08/25/2022 00:22* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *86.6%* | *60-140* | | | | | *08/25/2022 00:22* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *83.9%* | *60-140* | | | | | *08/25/2022 00:22* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *106%* | *60-140* | | | | | *08/25/2022 00:22* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *24.5% S* | *60-140* | | | | | *08/25/2022 00:22* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00357J | mg/kg | 1 | 0.00319 | 0.0397 | BFI0218 | 09/08/2022 14:20 | TBB |
| EPA 200.8 | Arsenic | N | 1.50 | mg/kg | 1 | 0.00488 | 0.0198 | BFI0218 | 09/08/2022 14:20 | TBB |
| EPA 200.8 | Beryllium | N | 0.0394 | mg/kg | 1 | 0.000397 | 0.00794 | BFI0218 | 09/08/2022 14:20 | TBB |
| EPA 200.8 | Cadmium | N | 0.0656 | mg/kg | 1 | 0.00125 | 0.0397 | BFI0218 | 09/08/2022 14:20 | TBB |
| EPA 200.8 | Chromium | N | 2.01V | mg/kg | 1 | 0.00292 | 0.119 | BFI0218 | 09/08/2022 14:20 | TBB |
| EPA 200.8 | Copper | N | 1.93V | mg/kg | 1 | 0.00345 | 0.0397 | BFI0218 | 09/08/2022 14:20 | TBB |
| SW-7471B | Mercury | A | <0.00451 U | mg/kg | 1 | 0.00451 | 0.00902 | BFG2911 | 07/22/2022 17:26 | EM |
| EPA 200.8 | Lead | N | 0.763 | mg/kg | 1 | 0.00300 | 0.0198 | BFI0218 | 09/08/2022 14:20 | TBB |
| EPA 200.8 | Nickel | N | 1.41V | mg/kg | 1 | 0.000702 | 0.0397 | BFI0218 | 09/08/2022 14:20 | TBB |
| EPA 200.8 | Selenium | N | 0.255 | mg/kg | 1 | 0.0437 | 0.198 | BFI0218 | 09/08/2022 14:20 | TBB |
| EPA 200.8 | Silver | N | 0.0390 | mg/kg | 1 | 0.000282 | 0.0198 | BFI0218 | 09/08/2022 14:20 | TBB |
| EPA 200.8 | Thallium | N | 0.0100J | mg/kg | 1 | 0.000274 | 0.0198 | BFI0218 | 09/08/2022 14:20 | TBB |
| EPA 200.8 | Zinc | N | 16.8 | mg/kg | 2 | 0.0298 | 0.159 | BFI0218 | 09/09/2022 10:06 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-4 (Continued) | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-04 | Date Collected: | 04/14/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.4 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-5
Lab Sample ID: 22F4240-05
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Acenaphthylene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Anthracene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.80U | ug/kg | 1 | 4.80 | 4.80 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.40B, U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Chrysene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 4.68 | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Fluoranthene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Fluorene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Naphthalene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Phenanthrene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Phenol, Total | A | 56.2V | ug/kg | 1 | 4.80 | 4.80 | BFG3159 | 08/25/2022 00:57 | KRB |
| SW-8270 | Pyrene | A | <2.40U | ug/kg | 1 | 2.40 | 2.40 | BFG3159 | 08/25/2022 00:57 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *76.4%* | *60-140* | | | | | *08/25/2022 00:57* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *87.2%* | *60-140* | | | | | *08/25/2022 00:57* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *87.0%* | *60-140* | | | | | *08/25/2022 00:57* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *84.0%* | *60-140* | | | | | *08/25/2022 00:57* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *104%* | *60-140* | | | | | *08/25/2022 00:57* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *22.6% S* | *60-140* | | | | | *08/25/2022 00:57* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0369U | mg/kg | 1 | 0.0369 | 0.458 | BFH1125 | 08/17/2022 13:56 | TBB |
| EPA 200.8 | Arsenic | N | 1.20 | mg/kg | 1 | 0.0563 | 0.229 | BFH1125 | 08/17/2022 13:56 | TBB |
| EPA 200.8 | Beryllium | N | <0.00458U | mg/kg | 1 | 0.00458 | 0.0916 | BFH1125 | 08/17/2022 13:56 | TBB |
| EPA 200.8 | Cadmium | N | 0.0669J | mg/kg | 1 | 0.0145 | 0.458 | BFH1125 | 08/17/2022 13:56 | TBB |
| EPA 200.8 | Chromium | N | 0.0403J | mg/kg | 1 | 0.0337 | 1.37 | BFH1125 | 08/17/2022 13:56 | TBB |
| EPA 200.8 | Copper | N | 1.56 | mg/kg | 1 | 0.0398 | 0.458 | BFH1125 | 08/17/2022 13:56 | TBB |
| SW-7471B | Mercury | A | <0.00405 U | mg/kg | 1 | 0.00405 | 0.00811 | BFG2911 | 07/22/2022 17:29 | EM |
| EPA 200.8 | Lead | N | 0.0395J | mg/kg | 1 | 0.0346 | 0.229 | BFH1125 | 08/17/2022 13:56 | TBB |
| EPA 200.8 | Nickel | N | 0.403J | mg/kg | 1 | 0.00811 | 0.458 | BFH1125 | 08/17/2022 13:56 | TBB |
| EPA 200.8 | Selenium | N | <0.504U | mg/kg | 1 | 0.504 | 2.29 | BFH1125 | 08/25/2022 12:30 | TBB |
| EPA 200.8 | Silver | N | 0.0166J | mg/kg | 1 | 0.00325 | 0.229 | BFH1125 | 08/17/2022 13:56 | TBB |
| EPA 200.8 | Thallium | N | <0.00316U | mg/kg | 1 | 0.00316 | 0.229 | BFH1125 | 08/17/2022 13:56 | TBB |
| EPA 200.8 | Zinc | N | 13.8 | mg/kg | 1 | 0.172 | 0.916 | BFH1125 | 08/23/2022 11:09 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-5 (Continued)
Lab Sample ID: 22F4240-05
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.1 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-1
Lab Sample ID: 22F4240-06
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00300U | mg/kg | 1 | 0.00300 | 0.0373 | BFI0218 | 09/08/2022 14:22 | TBB |
| EPA 200.8 | Arsenic | N | 1.01 | mg/kg | 1 | 0.00459 | 0.0187 | BFI0218 | 09/08/2022 16:46 | TBB |
| EPA 200.8 | Beryllium | N | 0.00157J | mg/kg | 1 | 0.000373 | 0.00746 | BFI0218 | 09/08/2022 14:22 | TBB |
| EPA 200.8 | Cadmium | N | 0.0550 | mg/kg | 1 | 0.00118 | 0.0373 | BFI0218 | 09/08/2022 14:22 | TBB |
| EPA 200.8 | Chromium | N | 0.0333V, J | mg/kg | 1 | 0.00274 | 0.112 | BFI0218 | 09/08/2022 16:46 | TBB |
| EPA 200.8 | Copper | N | 1.35V | mg/kg | 1 | 0.00325 | 0.0373 | BFI0218 | 09/08/2022 16:46 | TBB |
| SW-7471B | Mercury | A | <0.00476 U | mg/kg | 1 | 0.00476 | 0.00952 | BFG2911 | 07/22/2022 17:39 | EM |
| EPA 200.8 | Lead | N | 0.0527 | mg/kg | 1 | 0.00282 | 0.0187 | BFI0218 | 09/08/2022 14:22 | TBB |
| EPA 200.8 | Nickel | N | 0.306V | mg/kg | 1 | 0.000660 | 0.0373 | BFI0218 | 09/08/2022 16:46 | TBB |
| EPA 200.8 | Selenium | N | 0.154J | mg/kg | 1 | 0.0410 | 0.187 | BFI0218 | 09/08/2022 14:22 | TBB |
| EPA 200.8 | Silver | N | 0.0168J | mg/kg | 1 | 0.000265 | 0.0187 | BFI0218 | 09/08/2022 14:22 | TBB |
| EPA 200.8 | Thallium | N | <0.000257U | mg/kg | 1 | 0.000257 | 0.0187 | BFI0218 | 09/08/2022 14:22 | TBB |
| EPA 200.8 | Zinc | N | 11.1 | mg/kg | 1 | 0.0140 | 0.0746 | BFI0218 | 09/08/2022 16:46 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.4 | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-2
Lab Sample ID: 22F4240-07
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00552 | J | mg/kg | 1 | 0.00298 | 0.0370 | BFI0218 | 09/08/2022 14:25 | TBB |
| EPA 200.8 | Arsenic | N | 1.45 | | mg/kg | 1 | 0.00456 | 0.0185 | BFI0218 | 09/08/2022 14:25 | TBB |
| EPA 200.8 | Beryllium | N | 0.0491 | | mg/kg | 1 | 0.000370 | 0.00741 | BFI0218 | 09/08/2022 14:25 | TBB |
| EPA 200.8 | Cadmium | N | 0.0630 | | mg/kg | 1 | 0.00117 | 0.0370 | BFI0218 | 09/08/2022 14:25 | TBB |
| EPA 200.8 | Chromium | N | 2.69 | V | mg/kg | 1 | 0.00272 | 0.111 | BFI0218 | 09/08/2022 14:25 | TBB |
| EPA 200.8 | Copper | N | 2.09 | V | mg/kg | 1 | 0.00322 | 0.0370 | BFI0218 | 09/08/2022 14:25 | TBB |
| SW-7471B | Mercury | A | <0.00458 | U | mg/kg | 1 | 0.00458 | 0.00916 | BFH2169 | 08/16/2022 18:14 | NAZ |
| EPA 200.8 | Lead | N | 0.957 | | mg/kg | 1 | 0.00280 | 0.0185 | BFI0218 | 09/08/2022 14:25 | TBB |
| EPA 200.8 | Nickel | N | 1.72 | V | mg/kg | 1 | 0.000656 | 0.0370 | BFI0218 | 09/08/2022 14:25 | TBB |
| EPA 200.8 | Selenium | N | 0.278 | | mg/kg | 1 | 0.0407 | 0.185 | BFI0218 | 09/08/2022 14:25 | TBB |
| EPA 200.8 | Silver | N | 0.0210 | | mg/kg | 1 | 0.000263 | 0.0185 | BFI0218 | 09/08/2022 14:25 | TBB |
| EPA 200.8 | Thallium | N | 0.0138 | J | mg/kg | 1 | 0.000256 | 0.0185 | BFI0218 | 09/08/2022 14:25 | TBB |
| EPA 200.8 | Zinc | N | 14.1 | | mg/kg | 1 | 0.0139 | 0.0741 | BFI0218 | 09/08/2022 16:48 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.3 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-3
Lab Sample ID: 22F4240-08
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00258U | mg/kg | 1 | 0.00258 | 0.0321 | BFI0218 | 09/08/2022 14:09 | TBB |
| EPA 200.8 | Arsenic | N | 0.909 | mg/kg | 1 | 0.00394 | 0.0160 | BFI0218 | 09/08/2022 14:09 | TBB |
| EPA 200.8 | Beryllium | N | 0.00170J | mg/kg | 1 | 0.000321 | 0.00641 | BFI0218 | 09/08/2022 14:09 | TBB |
| EPA 200.8 | Cadmium | N | 0.0518 | mg/kg | 1 | 0.00101 | 0.0321 | BFI0218 | 09/08/2022 14:09 | TBB |
| EPA 200.8 | Chromium | N | 0.0339V, J | mg/kg | 1 | 0.00236 | 0.0962 | BFI0218 | 09/08/2022 14:09 | TBB |
| EPA 200.8 | Copper | N | 1.26V | mg/kg | 1 | 0.00279 | 0.0321 | BFI0218 | 09/08/2022 14:09 | TBB |
| SW-7471B | Mercury | A | <0.00414 U | mg/kg | 1 | 0.00414 | 0.00828 | BFH1159 | 08/09/2022 18:47 | NAZ |
| EPA 200.8 | Lead | N | 0.0487 | mg/kg | 1 | 0.00242 | 0.0160 | BFI0218 | 09/08/2022 14:09 | TBB |
| EPA 200.8 | Nickel | N | 0.281V | mg/kg | 1 | 0.000567 | 0.0321 | BFI0218 | 09/08/2022 14:09 | TBB |
| EPA 200.8 | Selenium | N | 0.141J | mg/kg | 1 | 0.0353 | 0.160 | BFI0218 | 09/08/2022 14:09 | TBB |
| EPA 200.8 | Silver | N | 0.0163 | mg/kg | 1 | 0.000228 | 0.0160 | BFI0218 | 09/08/2022 14:09 | TBB |
| EPA 200.8 | Thallium | N | <0.000221U | mg/kg | 1 | 0.000221 | 0.0160 | BFI0218 | 09/08/2022 14:09 | TBB |
| EPA 200.8 | Zinc | N | 10.7 | mg/kg | 1 | 0.0120 | 0.0641 | BFI0218 | 09/08/2022 16:27 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 8.75 | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-4
Lab Sample ID: 22F4240-09
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0350 | U | mg/kg | 1 | 0.0350 | 0.435 | BFH1125 | 08/17/2022 13:58 | TBB |
| EPA 200.8 | Arsenic | N | 1.29 | | mg/kg | 1 | 0.0535 | 0.217 | BFH1125 | 08/17/2022 13:58 | TBB |
| EPA 200.8 | Beryllium | N | 0.0385 | J | mg/kg | 1 | 0.00435 | 0.0870 | BFH1125 | 08/17/2022 13:58 | TBB |
| EPA 200.8 | Cadmium | N | 0.0687 | J | mg/kg | 1 | 0.0137 | 0.435 | BFH1125 | 08/17/2022 13:58 | TBB |
| EPA 200.8 | Chromium | N | 2.16 | | mg/kg | 1 | 0.0320 | 1.30 | BFH1125 | 08/17/2022 13:58 | TBB |
| EPA 200.8 | Copper | N | 2.09 | | mg/kg | 1 | 0.0378 | 0.435 | BFH1125 | 08/17/2022 13:58 | TBB |
| SW-7471B | Mercury | A | <0.00469 | U | mg/kg | 1 | 0.00469 | 0.00937 | BFH2169 | 08/16/2022 18:17 | NAZ |
| EPA 200.8 | Lead | N | 0.844 | | mg/kg | 1 | 0.0328 | 0.217 | BFH1125 | 08/17/2022 13:58 | TBB |
| EPA 200.8 | Nickel | N | 1.52 | | mg/kg | 1 | 0.00770 | 0.435 | BFH1125 | 08/17/2022 13:58 | TBB |
| EPA 200.8 | Selenium | N | <0.478 | U | mg/kg | 1 | 0.478 | 2.17 | BFH1125 | 08/25/2022 12:33 | TBB |
| EPA 200.8 | Silver | N | 0.0202 | J | mg/kg | 1 | 0.00309 | 0.217 | BFH1125 | 08/17/2022 13:58 | TBB |
| EPA 200.8 | Thallium | N | 0.0121 | J | mg/kg | 1 | 0.00300 | 0.217 | BFH1125 | 08/17/2022 13:58 | TBB |
| EPA 200.8 | Zinc | N | 14.3 | | mg/kg | 1 | 0.163 | 0.870 | BFH1125 | 08/25/2022 12:33 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 11.3 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-5
Lab Sample ID: 22F4240-10
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00325 | U | mg/kg | 1 | 0.00325 | 0.0403 | BFI0218 | 09/08/2022 14:49 | TBB |
| EPA 200.8 | Arsenic | N | 0.962 | | mg/kg | 1 | 0.00496 | 0.0202 | BFI0218 | 09/08/2022 17:09 | TBB |
| EPA 200.8 | Beryllium | N | 0.00282 | J | mg/kg | 1 | 0.000403 | 0.00806 | BFI0218 | 09/08/2022 14:49 | TBB |
| EPA 200.8 | Cadmium | N | 0.0573 | | mg/kg | 1 | 0.00127 | 0.0403 | BFI0218 | 09/08/2022 14:49 | TBB |
| EPA 200.8 | Chromium | N | 0.0618 | V, J | mg/kg | 1 | 0.00296 | 0.121 | BFI0218 | 09/08/2022 17:09 | TBB |
| EPA 200.8 | Copper | N | 1.36 | V | mg/kg | 1 | 0.00351 | 0.0403 | BFI0218 | 09/08/2022 17:09 | TBB |
| EPA 200.8 | Lead | N | 0.0878 | | mg/kg | 1 | 0.00304 | 0.0202 | BFI0218 | 09/08/2022 17:09 | TBB |
| EPA 200.8 | Nickel | N | 0.353 | V | mg/kg | 1 | 0.000714 | 0.0403 | BFI0218 | 09/08/2022 17:09 | TBB |
| EPA 200.8 | Selenium | N | 0.146 | J | mg/kg | 1 | 0.0444 | 0.202 | BFI0218 | 09/08/2022 19:03 | TBB |
| EPA 200.8 | Silver | N | 0.0196 | J | mg/kg | 1 | 0.000286 | 0.0202 | BFI0218 | 09/08/2022 14:49 | TBB |
| EPA 200.8 | Thallium | N | 0.000363 | J | mg/kg | 1 | 0.000278 | 0.0202 | BFI0218 | 09/08/2022 17:09 | TBB |
| EPA 200.8 | Zinc | N | 12.2 | | mg/kg | 1 | 0.0151 | 0.0806 | BFI0218 | 09/08/2022 17:09 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 8.62 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-07-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-10RE1 | Date Collected: | 04/14/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.00448 | U | mg/kg | 1 | 0.00448 | 0.00896 | BFI0732 | 09/07/2022 13:56 | NAZ |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-08-1
Lab Sample ID: 22F4240-11
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 4.04 | V | ug/kg | 1 | 2.14 | 2.14 | BFG3163 | 08/18/2022 06:55 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *11.0%* | *S* | *60-140* | | | | | *08/18/2022 06:55* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *80.5%* | | *60-140* | | | | | *08/18/2022 06:55* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *73.1%* | | *60-140* | | | | | *08/18/2022 06:55* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *89.4%* | | *60-140* | | | | | *08/18/2022 06:55* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *120%* | | *60-140* | | | | | *08/18/2022 06:55* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *70.8%* | | *60-140* | | | | | *08/18/2022 06:55* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00305 | U | mg/kg | 1 | 0.00305 | 0.0379 | BFI0218 | 09/08/2022 14:36 | TBB |
| EPA 200.8 | Arsenic | N | 0.891 | | mg/kg | 1 | 0.00466 | 0.0189 | BFI0218 | 09/08/2022 16:50 | TBB |
| EPA 200.8 | Beryllium | N | 0.00136 | J | mg/kg | 1 | 0.000379 | 0.00758 | BFI0218 | 09/08/2022 14:36 | TBB |
| EPA 200.8 | Cadmium | N | 0.0574 | | mg/kg | 1 | 0.00120 | 0.0379 | BFI0218 | 09/08/2022 14:36 | TBB |
| EPA 200.8 | Chromium | N | 0.0321 | V, J | mg/kg | 1 | 0.00278 | 0.114 | BFI0218 | 09/08/2022 16:50 | TBB |
| EPA 200.8 | Copper | N | 1.36 | V | mg/kg | 1 | 0.00330 | 0.0379 | BFI0218 | 09/08/2022 16:50 | TBB |
| SW-7471B | Mercury | A | <0.00423 | B, U | mg/kg | 1 | 0.00423 | 0.00845 | BFH2628 | 08/18/2022 20:33 | NAZ |
| EPA 200.8 | Lead | N | 0.0562 | | mg/kg | 1 | 0.00286 | 0.0189 | BFI0218 | 09/08/2022 16:50 | TBB |
| EPA 200.8 | Nickel | N | 0.335 | V | mg/kg | 1 | 0.000670 | 0.0379 | BFI0218 | 09/08/2022 16:50 | TBB |
| EPA 200.8 | Selenium | N | 0.128 | J | mg/kg | 1 | 0.0417 | 0.189 | BFI0218 | 09/08/2022 18:50 | TBB |
| EPA 200.8 | Silver | N | 0.0179 | J | mg/kg | 1 | 0.000269 | 0.0189 | BFI0218 | 09/08/2022 14:36 | TBB |
| EPA 200.8 | Thallium | N | 0.000568 | J | mg/kg | 1 | 0.000261 | 0.0189 | BFI0218 | 09/08/2022 16:50 | TBB |
| EPA 200.8 | Zinc | N | 11.7 | | mg/kg | 1 | 0.0142 | 0.0758 | BFI0218 | 09/08/2022 16:50 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 9.50 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-08-1
Lab Sample ID: 22F4240-11RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 19.4 | V | ug/kg | 1 | 2.14 | 2.14 | BFG3163 | 08/25/2022 06:05 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 64.4 | V | ug/kg | 1 | 4.28 | 4.28 | BFG3163 | 08/25/2022 06:05 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *8.46%* | *S* | *60-140* | | | | | *08/25/2022 06:05* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *78.0%* | | *60-140* | | | | | *08/25/2022 06:05* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *82.5%* | | *60-140* | | | | | *08/25/2022 06:05* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *104%* | | *60-140* | | | | | *08/25/2022 06:05* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *107%* | | *60-140* | | | | | *08/25/2022 06:05* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *72.9%* | | *60-140* | | | | | *08/25/2022 06:05* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-08-2
Lab Sample ID: 22F4240-12
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 7.42 | V | ug/kg | 1 | 2.29 | 2.29 | BFG3163 | 08/18/2022 07:29 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 5.07 | V | ug/kg | 1 | 2.29 | 2.29 | BFG3163 | 08/18/2022 07:29 | KRB |
| SW-8270 | Phenol, Total | A | 68.5 | V | ug/kg | 1 | 4.57 | 4.57 | BFG3163 | 08/18/2022 07:29 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *9.31%* | *S* | *60-140* | | | | | *08/18/2022 07:29* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *77.6%* | | *60-140* | | | | | *08/18/2022 07:29* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *59.7%* | *S* | *60-140* | | | | | *08/18/2022 07:29* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *88.9%* | | *60-140* | | | | | *08/18/2022 07:29* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *118%* | | *60-140* | | | | | *08/18/2022 07:29* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *71.6%* | | *60-140* | | | | | *08/18/2022 07:29* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00317 | U | mg/kg | 1 | 0.00317 | 0.0394 | BFI0218 | 09/08/2022 14:38 | TBB |
| EPA 200.8 | Arsenic | N | 0.833 | | mg/kg | 1 | 0.00484 | 0.0197 | BFI0218 | 09/08/2022 16:53 | TBB |
| EPA 200.8 | Beryllium | N | 0.00169 | J | mg/kg | 1 | 0.000394 | 0.00787 | BFI0218 | 09/08/2022 14:38 | TBB |
| EPA 200.8 | Cadmium | N | 0.0565 | | mg/kg | 1 | 0.00124 | 0.0394 | BFI0218 | 09/08/2022 14:38 | TBB |
| EPA 200.8 | Chromium | N | 0.0330 | V, J | mg/kg | 1 | 0.00289 | 0.118 | BFI0218 | 09/08/2022 16:53 | TBB |
| EPA 200.8 | Copper | N | 1.18 | V | mg/kg | 1 | 0.00343 | 0.0394 | BFI0218 | 09/08/2022 16:53 | TBB |
| SW-7471B | Mercury | A | <0.00462 | U | mg/kg | 1 | 0.00462 | 0.00923 | BFG2911 | 07/22/2022 17:42 | EM |
| EPA 200.8 | Lead | N | 0.0462 | | mg/kg | 1 | 0.00297 | 0.0197 | BFI0218 | 09/08/2022 16:53 | TBB |
| EPA 200.8 | Nickel | N | 0.318 | V | mg/kg | 1 | 0.000697 | 0.0394 | BFI0218 | 09/08/2022 16:53 | TBB |
| EPA 200.8 | Selenium | N | 0.132 | J | mg/kg | 1 | 0.0433 | 0.197 | BFI0218 | 09/08/2022 18:53 | TBB |
| EPA 200.8 | Silver | N | 0.0141 | J | mg/kg | 1 | 0.000280 | 0.0197 | BFI0218 | 09/08/2022 14:38 | TBB |
| EPA 200.8 | Thallium | N | 0.000433 | J | mg/kg | 1 | 0.000272 | 0.0197 | BFI0218 | 09/08/2022 16:53 | TBB |
| EPA 200.8 | Zinc | N | 11.8 | | mg/kg | 1 | 0.0148 | 0.0787 | BFI0218 | 09/08/2022 16:53 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 9.15 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-08-3
Lab Sample ID: 22F4240-13
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 7.04 | V | ug/kg | 1 | 2.43 | 2.43 | BFG3163 | 08/18/2022 08:04 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 5.20 | V | ug/kg | 1 | 2.43 | 2.43 | BFG3163 | 08/18/2022 08:04 | KRB |
| SW-8270 | Phenol, Total | A | 72.4 | V | ug/kg | 1 | 4.86 | 4.86 | BFG3163 | 08/18/2022 08:04 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *15.1%* | *S* | *60-140* | | | | | *08/18/2022 08:04* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *72.1%* | | *60-140* | | | | | *08/18/2022 08:04* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *78.0%* | | *60-140* | | | | | *08/18/2022 08:04* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *88.9%* | | *60-140* | | | | | *08/18/2022 08:04* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *134%* | | *60-140* | | | | | *08/18/2022 08:04* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *66.6%* | | *60-140* | | | | | *08/18/2022 08:04* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0374 | U | mg/kg | 1 | 0.0374 | 0.465 | BFH1125 | 08/17/2022 14:01 | TBB |
| EPA 200.8 | Arsenic | N | 0.997 | | mg/kg | 1 | 0.0572 | 0.233 | BFH1125 | 08/17/2022 14:01 | TBB |
| EPA 200.8 | Beryllium | N | <0.00465 | U | mg/kg | 1 | 0.00465 | 0.0930 | BFH1125 | 08/17/2022 14:01 | TBB |
| EPA 200.8 | Cadmium | N | 0.0574 | J | mg/kg | 1 | 0.0147 | 0.465 | BFH1125 | 08/17/2022 14:01 | TBB |
| EPA 200.8 | Chromium | N | 0.0400 | J | mg/kg | 1 | 0.0342 | 1.40 | BFH1125 | 08/17/2022 14:01 | TBB |
| EPA 200.8 | Copper | N | 1.47 | | mg/kg | 1 | 0.0405 | 0.465 | BFH1125 | 08/17/2022 14:01 | TBB |
| SW-7471B | Mercury | A | <0.00423 | U | mg/kg | 1 | 0.00423 | 0.00845 | BFH2169 | 08/16/2022 18:20 | NAZ |
| EPA 200.8 | Lead | N | 0.0511 | J | mg/kg | 1 | 0.0351 | 0.233 | BFH1125 | 08/17/2022 14:01 | TBB |
| EPA 200.8 | Nickel | N | 0.409 | J | mg/kg | 1 | 0.00823 | 0.465 | BFH1125 | 08/17/2022 14:01 | TBB |
| EPA 200.8 | Selenium | N | <0.512 | U | mg/kg | 1 | 0.512 | 2.33 | BFH1125 | 08/25/2022 12:39 | TBB |
| EPA 200.8 | Silver | N | 0.0181 | J | mg/kg | 1 | 0.00330 | 0.233 | BFH1125 | 08/17/2022 14:01 | TBB |
| EPA 200.8 | Thallium | N | <0.00321 | U | mg/kg | 1 | 0.00321 | 0.233 | BFH1125 | 08/17/2022 14:01 | TBB |
| EPA 200.8 | Zinc | N | 12.9 | | mg/kg | 1 | 0.175 | 0.930 | BFH1125 | 08/23/2022 11:13 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.1 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-08-4
Lab Sample ID: 22F4240-14
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 5.39 | V | ug/kg | 1 | 2.43 | 2.43 | BFG3163 | 08/18/2022 08:38 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 24.6 | V | ug/kg | 1 | 2.43 | 2.43 | BFG3163 | 08/18/2022 08:38 | KRB |
| SW-8270 | Phenol, Total | A | 91.5 | V | ug/kg | 1 | 4.86 | 4.86 | BFG3163 | 08/18/2022 08:38 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *8.09%* | *S* | *60-140* | | | | | *08/18/2022 08:38* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *61.3%* | | *60-140* | | | | | *08/18/2022 08:38* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *63.5%* | | *60-140* | | | | | *08/18/2022 08:38* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *87.1%* | | *60-140* | | | | | *08/18/2022 08:38* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *115%* | | *60-140* | | | | | *08/18/2022 08:38* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *58.8%* | *S* | *60-140* | | | | | *08/18/2022 08:38* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00270 | U | mg/kg | 1 | 0.00270 | 0.0336 | BFI0218 | 09/08/2022 14:41 | TBB |
| EPA 200.8 | Arsenic | N | 1.40 | | mg/kg | 1 | 0.00413 | 0.0168 | BFI0218 | 09/08/2022 16:55 | TBB |
| EPA 200.8 | Beryllium | N | 0.00195 | J | mg/kg | 1 | 0.000336 | 0.00671 | BFI0218 | 09/08/2022 14:41 | TBB |
| EPA 200.8 | Cadmium | N | 0.0646 | | mg/kg | 1 | 0.00106 | 0.0336 | BFI0218 | 09/08/2022 14:41 | TBB |
| EPA 200.8 | Chromium | N | 0.0287 | V, J | mg/kg | 1 | 0.00247 | 0.101 | BFI0218 | 09/08/2022 16:55 | TBB |
| EPA 200.8 | Copper | N | 1.43 | V | mg/kg | 1 | 0.00292 | 0.0336 | BFI0218 | 09/08/2022 16:55 | TBB |
| SW-7471B | Mercury | A | <0.00426 | U | mg/kg | 1 | 0.00426 | 0.00851 | BFH1159 | 08/09/2022 18:57 | NAZ |
| EPA 200.8 | Lead | N | 0.0584 | | mg/kg | 1 | 0.00253 | 0.0168 | BFI0218 | 09/08/2022 16:55 | TBB |
| EPA 200.8 | Nickel | N | 0.393 | V | mg/kg | 1 | 0.000594 | 0.0336 | BFI0218 | 09/08/2022 16:55 | TBB |
| EPA 200.8 | Selenium | N | 0.187 | | mg/kg | 1 | 0.0369 | 0.168 | BFI0218 | 09/08/2022 18:55 | TBB |
| EPA 200.8 | Silver | N | 0.0245 | | mg/kg | 1 | 0.000238 | 0.0168 | BFI0218 | 09/08/2022 14:41 | TBB |
| EPA 200.8 | Thallium | N | 0.000772 | J | mg/kg | 1 | 0.000232 | 0.0168 | BFI0218 | 09/08/2022 16:55 | TBB |
| EPA 200.8 | Zinc | N | 13.9 | | mg/kg | 2 | 0.0252 | 0.134 | BFI0218 | 09/09/2022 10:09 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 11.5 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-08-5
Lab Sample ID: 22F4240-15
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 11.0V | ug/kg | 1 | 2.39 | 2.39 | BFG3163 | 08/18/2022 09:12 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 5.22V | ug/kg | 1 | 2.39 | 2.39 | BFG3163 | 08/18/2022 09:12 | KRB |
| SW-8270 | Phenol, Total | A | 76.8V | ug/kg | 1 | 4.78 | 4.78 | BFG3163 | 08/18/2022 09:12 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *13.9% S* | *60-140* | | | | | *08/18/2022 09:12* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *67.8%* | *60-140* | | | | | *08/18/2022 09:12* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *60.8%* | *60-140* | | | | | *08/18/2022 09:12* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *99.5%* | *60-140* | | | | | *08/18/2022 09:12* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *116%* | *60-140* | | | | | *08/18/2022 09:12* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *59.6% S* | *60-140* | | | | | *08/18/2022 09:12* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00310U | mg/kg | 1 | 0.00310 | 0.0385 | BFI0218 | 09/08/2022 14:44 | TBB |
| EPA 200.8 | Arsenic | N | 1.11 | mg/kg | 1 | 0.00473 | 0.0192 | BFI0218 | 09/08/2022 16:57 | TBB |
| EPA 200.8 | Beryllium | N | 0.00212J | mg/kg | 1 | 0.000385 | 0.00769 | BFI0218 | 09/08/2022 14:44 | TBB |
| EPA 200.8 | Cadmium | N | 0.0655 | mg/kg | 1 | 0.00122 | 0.0385 | BFI0218 | 09/08/2022 14:44 | TBB |
| EPA 200.8 | Chromium | N | 0.0521V, J | mg/kg | 1 | 0.00283 | 0.115 | BFI0218 | 09/08/2022 16:57 | TBB |
| EPA 200.8 | Copper | N | 1.52V | mg/kg | 1 | 0.00335 | 0.0385 | BFI0218 | 09/08/2022 16:57 | TBB |
| EPA 200.8 | Lead | N | 0.0562 | mg/kg | 1 | 0.00290 | 0.0192 | BFI0218 | 09/08/2022 16:57 | TBB |
| EPA 200.8 | Nickel | N | 0.346V | mg/kg | 1 | 0.000681 | 0.0385 | BFI0218 | 09/08/2022 16:57 | TBB |
| EPA 200.8 | Selenium | N | 0.177J | mg/kg | 1 | 0.0423 | 0.192 | BFI0218 | 09/08/2022 18:58 | TBB |
| EPA 200.8 | Silver | N | 0.0166J | mg/kg | 1 | 0.000273 | 0.0192 | BFI0218 | 09/08/2022 14:44 | TBB |
| EPA 200.8 | Thallium | N | 0.000615J | mg/kg | 1 | 0.000265 | 0.0192 | BFI0218 | 09/08/2022 16:57 | TBB |
| EPA 200.8 | Zinc | N | 14.4 | mg/kg | 1 | 0.0144 | 0.0769 | BFI0218 | 09/08/2022 16:57 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.7 | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-08-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-15RE1 | Date Collected: | 04/14/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.00469 | U | mg/kg | 1 | 0.00469 | 0.00937 | BFI0732 | 09/07/2022 14:05 | NAZ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-09-1
Lab Sample ID: 22F4240-16
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 6.52 | V | ug/kg | 1 | 2.23 | 2.23 | BFG3163 | 08/18/2022 09:46 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 26.3 | V | ug/kg | 1 | 2.23 | 2.23 | BFG3163 | 08/18/2022 09:46 | KRB |
| SW-8270 | Phenol, Total | A | 70.2 | V | ug/kg | 1 | 4.46 | 4.46 | BFG3163 | 08/18/2022 09:46 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *6.58%* | *S* | *60-140* | | | | | *08/18/2022 09:46* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *74.7%* | | *60-140* | | | | | *08/18/2022 09:46* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *79.9%* | | *60-140* | | | | | *08/18/2022 09:46* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *99.2%* | | *60-140* | | | | | *08/18/2022 09:46* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *126%* | | *60-140* | | | | | *08/18/2022 09:46* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *68.4%* | | *60-140* | | | | | *08/18/2022 09:46* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0380 | U | mg/kg | 1 | 0.0380 | 0.472 | BFH2042 | 08/22/2022 15:31 | TBB |
| EPA 200.8 | Arsenic | N | 0.762 | | mg/kg | 1 | 0.0581 | 0.236 | BFH2042 | 08/17/2022 18:28 | TBB |
| EPA 200.8 | Beryllium | N | <0.00472 | U | mg/kg | 1 | 0.00472 | 0.0945 | BFH2042 | 08/22/2022 15:31 | TBB |
| EPA 200.8 | Cadmium | N | 0.0384 | J | mg/kg | 1 | 0.0149 | 0.472 | BFH2042 | 08/17/2022 18:28 | TBB |
| EPA 200.8 | Chromium | N | <0.0347 | U | mg/kg | 1 | 0.0347 | 1.42 | BFH2042 | 08/17/2022 18:28 | TBB |
| EPA 200.8 | Copper | N | 1.12 | | mg/kg | 1 | 0.0411 | 0.472 | BFH2042 | 08/17/2022 18:28 | TBB |
| SW-7471B | Mercury | A | <0.00444 | B, U | mg/kg | 1 | 0.00444 | 0.00889 | BFH2628 | 08/18/2022 20:37 | NAZ |
| EPA 200.8 | Lead | N | 0.0373 | J | mg/kg | 1 | 0.0357 | 0.236 | BFH2042 | 08/22/2022 15:31 | TBB |
| EPA 200.8 | Nickel | N | 0.288 | J | mg/kg | 1 | 0.00836 | 0.472 | BFH2042 | 08/17/2022 18:28 | TBB |
| EPA 200.8 | Selenium | N | <0.520 | U | mg/kg | 1 | 0.520 | 2.36 | BFH2042 | 08/23/2022 19:43 | TBB |
| EPA 200.8 | Silver | N | 0.0122 | J | mg/kg | 1 | 0.00335 | 0.236 | BFH2042 | 08/22/2022 15:31 | TBB |
| EPA 200.8 | Thallium | N | <0.00326 | U | mg/kg | 1 | 0.00326 | 0.236 | BFH2042 | 08/17/2022 18:28 | TBB |
| EPA 200.8 | Zinc | N | 11.0 | | mg/kg | 1 | 0.177 | 0.945 | BFH2042 | 08/22/2022 18:29 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 8.05 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-09-2
Lab Sample ID: 22F4240-17
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 3.72 | V | ug/kg | 1 | 2.44 | 2.44 | BFG3163 | 08/18/2022 10:54 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 6.52 | V | ug/kg | 1 | 2.44 | 2.44 | BFG3163 | 08/18/2022 10:54 | KRB |
| SW-8270 | Phenol, Total | A | 75.1 | V | ug/kg | 1 | 4.88 | 4.88 | BFG3163 | 08/18/2022 10:54 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *7.32%* | *S* | *60-140* | | | | | *08/18/2022 10:54* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *78.0%* | | *60-140* | | | | | *08/18/2022 10:54* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *71.4%* | | *60-140* | | | | | *08/18/2022 10:54* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *104%* | | *60-140* | | | | | *08/18/2022 10:54* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *119%* | | *60-140* | | | | | *08/18/2022 10:54* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *71.7%* | | *60-140* | | | | | *08/18/2022 10:54* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00294 | U | mg/kg | 1 | 0.00294 | 0.0365 | BFI0218 | 09/08/2022 14:46 | TBB |
| EPA 200.8 | Arsenic | N | 0.911 | | mg/kg | 1 | 0.00449 | 0.0182 | BFI0218 | 09/08/2022 17:07 | TBB |
| EPA 200.8 | Beryllium | N | 0.00157 | J | mg/kg | 1 | 0.000365 | 0.00730 | BFI0218 | 09/08/2022 14:46 | TBB |
| EPA 200.8 | Cadmium | N | 0.0552 | | mg/kg | 1 | 0.00115 | 0.0365 | BFI0218 | 09/08/2022 14:46 | TBB |
| EPA 200.8 | Chromium | N | 0.0358 | V, J | mg/kg | 1 | 0.00268 | 0.109 | BFI0218 | 09/08/2022 17:07 | TBB |
| EPA 200.8 | Copper | N | 1.27 | V | mg/kg | 1 | 0.00318 | 0.0365 | BFI0218 | 09/08/2022 17:07 | TBB |
| SW-7471B | Mercury | A | <0.00432 | U | mg/kg | 1 | 0.00432 | 0.00863 | BFH1159 | 08/09/2022 19:00 | NAZ |
| EPA 200.8 | Lead | N | 0.0548 | | mg/kg | 1 | 0.00276 | 0.0182 | BFI0218 | 09/08/2022 17:07 | TBB |
| EPA 200.8 | Nickel | N | 0.327 | V | mg/kg | 1 | 0.000646 | 0.0365 | BFI0218 | 09/08/2022 17:07 | TBB |
| EPA 200.8 | Selenium | N | 0.155 | J | mg/kg | 1 | 0.0401 | 0.182 | BFI0218 | 09/08/2022 19:01 | TBB |
| EPA 200.8 | Silver | N | 0.0172 | J | mg/kg | 1 | 0.000259 | 0.0182 | BFI0218 | 09/08/2022 14:46 | TBB |
| EPA 200.8 | Thallium | N | 0.000401 | J | mg/kg | 1 | 0.000252 | 0.0182 | BFI0218 | 09/08/2022 17:07 | TBB |
| EPA 200.8 | Zinc | N | 11.7 | | mg/kg | 1 | 0.0137 | 0.0730 | BFI0218 | 09/08/2022 17:07 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.0 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-09-3
Lab Sample ID: 22F4240-18
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 6.52 | V | ug/kg | 1 | 2.30 | 2.30 | BFG3163 | 08/18/2022 11:29 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 22.1 | V | ug/kg | 1 | 2.30 | 2.30 | BFG3163 | 08/18/2022 11:29 | KRB |
| SW-8270 | Phenol, Total | A | 89.2 | V | ug/kg | 1 | 4.60 | 4.60 | BFG3163 | 08/18/2022 11:29 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *5.54%* | *S* | *60-140* | | | | | *08/18/2022 11:29* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *62.1%* | | *60-140* | | | | | *08/18/2022 11:29* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *58.7%* | *S* | *60-140* | | | | | *08/18/2022 11:29* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *92.9%* | | *60-140* | | | | | *08/18/2022 11:29* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *97.9%* | | *60-140* | | | | | *08/18/2022 11:29* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *69.9%* | | *60-140* | | | | | *08/18/2022 11:29* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00274 | U | mg/kg | 1 | 0.00274 | 0.0340 | BFI0218 | 09/08/2022 14:57 | TBB |
| EPA 200.8 | Arsenic | N | 1.17 | | mg/kg | 1 | 0.00418 | 0.0170 | BFI0218 | 09/08/2022 17:16 | TBB |
| EPA 200.8 | Beryllium | N | 0.00180 | J | mg/kg | 1 | 0.000340 | 0.00680 | BFI0218 | 09/08/2022 14:57 | TBB |
| EPA 200.8 | Cadmium | N | 0.0535 | | mg/kg | 1 | 0.00107 | 0.0340 | BFI0218 | 09/08/2022 14:57 | TBB |
| EPA 200.8 | Chromium | N | 0.0265 | V, J | mg/kg | 1 | 0.00250 | 0.102 | BFI0218 | 09/08/2022 17:16 | TBB |
| EPA 200.8 | Copper | N | 1.51 | V | mg/kg | 1 | 0.00296 | 0.0340 | BFI0218 | 09/08/2022 17:16 | TBB |
| SW-7471B | Mercury | A | <0.00368 | U | mg/kg | 1 | 0.00368 | 0.00736 | BFH1159 | 08/09/2022 19:10 | NAZ |
| EPA 200.8 | Lead | N | 0.0797 | | mg/kg | 1 | 0.00257 | 0.0170 | BFI0218 | 09/08/2022 17:16 | TBB |
| EPA 200.8 | Nickel | N | 0.297 | V | mg/kg | 1 | 0.000602 | 0.0340 | BFI0218 | 09/08/2022 17:16 | TBB |
| EPA 200.8 | Selenium | N | 0.186 | | mg/kg | 1 | 0.0374 | 0.170 | BFI0218 | 09/08/2022 19:11 | TBB |
| EPA 200.8 | Silver | N | 0.0182 | | mg/kg | 1 | 0.000241 | 0.0170 | BFI0218 | 09/08/2022 14:57 | TBB |
| EPA 200.8 | Thallium | N | 0.000612 | J | mg/kg | 1 | 0.000235 | 0.0170 | BFI0218 | 09/08/2022 17:16 | TBB |
| EPA 200.8 | Zinc | N | 13.2 | | mg/kg | 1 | 0.0128 | 0.0680 | BFI0218 | 09/08/2022 17:16 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.1 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-09-4
Lab Sample ID: 22F4240-19
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 5.89 | V | ug/kg | 1 | 2.39 | 2.39 | BFG3163 | 08/18/2022 12:03 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 5.45 | V | ug/kg | 1 | 2.39 | 2.39 | BFG3163 | 08/18/2022 12:03 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *8.88%* | *S* | *60-140* | | | | | *08/18/2022 12:03* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *98.6%* | | *60-140* | | | | | *08/18/2022 12:03* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *70.0%* | | *60-140* | | | | | *08/18/2022 12:03* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *107%* | | *60-140* | | | | | *08/18/2022 12:03* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *112%* | | *60-140* | | | | | *08/18/2022 12:03* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *76.5%* | | *60-140* | | | | | *08/18/2022 12:03* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00237 | U | mg/kg | 1 | 0.00237 | 0.0294 | BFI0218 | 09/08/2022 14:59 | TBB |
| EPA 200.8 | Arsenic | N | 1.16 | | mg/kg | 1 | 0.00362 | 0.0147 | BFI0218 | 09/08/2022 17:18 | TBB |
| EPA 200.8 | Beryllium | N | 0.00153 | J | mg/kg | 1 | 0.000294 | 0.00588 | BFI0218 | 09/08/2022 14:59 | TBB |
| EPA 200.8 | Cadmium | N | 0.0527 | | mg/kg | 1 | 0.000929 | 0.0294 | BFI0218 | 09/08/2022 14:59 | TBB |
| EPA 200.8 | Chromium | N | 0.0203 | V, J | mg/kg | 1 | 0.00216 | 0.0882 | BFI0218 | 09/08/2022 17:18 | TBB |
| EPA 200.8 | Copper | N | 1.25 | V | mg/kg | 1 | 0.00256 | 0.0294 | BFI0218 | 09/08/2022 17:18 | TBB |
| SW-7471B | Mercury | A | <0.00392 | U | mg/kg | 1 | 0.00392 | 0.00784 | BFH1159 | 08/09/2022 19:13 | NAZ |
| EPA 200.8 | Lead | N | 0.0394 | | mg/kg | 1 | 0.00222 | 0.0147 | BFI0218 | 09/08/2022 17:18 | TBB |
| EPA 200.8 | Nickel | N | 0.292 | V | mg/kg | 1 | 0.000521 | 0.0294 | BFI0218 | 09/08/2022 17:18 | TBB |
| EPA 200.8 | Selenium | N | 0.165 | | mg/kg | 1 | 0.0324 | 0.147 | BFI0218 | 09/08/2022 19:14 | TBB |
| EPA 200.8 | Silver | N | 0.0175 | | mg/kg | 1 | 0.000209 | 0.0147 | BFI0218 | 09/08/2022 14:59 | TBB |
| EPA 200.8 | Thallium | N | 0.000382 | J | mg/kg | 1 | 0.000203 | 0.0147 | BFI0218 | 09/08/2022 17:18 | TBB |
| EPA 200.8 | Zinc | N | 10.9 | | mg/kg | 1 | 0.0110 | 0.0588 | BFI0218 | 09/08/2022 17:18 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.8 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-09-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-19RE1 | Date Collected: | 04/14/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 111 | V | ug/kg | 2 | 9.58 | 9.58 | BFG3163 | 08/25/2022 06:39 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *4.88%* | *S* | *60-140* | | | | | *08/25/2022 06:39* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *77.9%* | | *60-140* | | | | | *08/25/2022 06:39* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *81.5%* | | *60-140* | | | | | *08/25/2022 06:39* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *107%* | | *60-140* | | | | | *08/25/2022 06:39* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *139%* | | *60-140* | | | | | *08/25/2022 06:39* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *66.5%* | | *60-140* | | | | | *08/25/2022 06:39* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-09-5
Lab Sample ID: 22F4240-20
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 7.59 | V | ug/kg | 1 | 2.40 | 2.40 | BFG3163 | 08/18/2022 12:37 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *6.87%* | *S* | *60-140* | | | | | *08/18/2022 12:37* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *88.4%* | | *60-140* | | | | | *08/18/2022 12:37* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *75.1%* | | *60-140* | | | | | *08/18/2022 12:37* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *108%* | | *60-140* | | | | | *08/18/2022 12:37* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *95.8%* | | *60-140* | | | | | *08/18/2022 12:37* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *97.3%* | | *60-140* | | | | | *08/18/2022 12:37* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00280 | U | mg/kg | 1 | 0.00280 | 0.0347 | BFI0218 | 09/08/2022 17:20 | TBB |
| EPA 200.8 | Arsenic | N | 1.05 | | mg/kg | 1 | 0.00427 | 0.0174 | BFI0218 | 09/08/2022 17:20 | TBB |
| EPA 200.8 | Beryllium | N | 0.00184 | J | mg/kg | 1 | 0.000347 | 0.00694 | BFI0218 | 09/08/2022 19:25 | TBB |
| EPA 200.8 | Cadmium | N | 0.0561 | | mg/kg | 1 | 0.00110 | 0.0347 | BFI0218 | 09/08/2022 17:20 | TBB |
| EPA 200.8 | Chromium | N | 0.0344 | V, J | mg/kg | 1 | 0.00255 | 0.104 | BFI0218 | 09/08/2022 17:20 | TBB |
| EPA 200.8 | Copper | N | 1.49 | V | mg/kg | 1 | 0.00302 | 0.0347 | BFI0218 | 09/08/2022 17:20 | TBB |
| SW-7471B | Mercury | A | <0.00405 | U | mg/kg | 1 | 0.00405 | 0.00811 | BFH1159 | 08/09/2022 19:16 | NAZ |
| EPA 200.8 | Lead | N | 0.0765 | | mg/kg | 1 | 0.00262 | 0.0174 | BFI0218 | 09/08/2022 17:20 | TBB |
| EPA 200.8 | Nickel | N | 0.364 | V | mg/kg | 1 | 0.000615 | 0.0347 | BFI0218 | 09/08/2022 17:20 | TBB |
| EPA 200.8 | Selenium | N | 0.156 | J | mg/kg | 1 | 0.0382 | 0.174 | BFI0218 | 09/08/2022 19:25 | TBB |
| EPA 200.8 | Silver | N | 0.0225 | | mg/kg | 1 | 0.000247 | 0.0174 | BFI0218 | 09/08/2022 17:20 | TBB |
| EPA 200.8 | Thallium | N | 0.000451 | J | mg/kg | 1 | 0.000240 | 0.0174 | BFI0218 | 09/08/2022 17:20 | TBB |
| EPA 200.8 | Zinc | N | 12.9 | | mg/kg | 2 | 0.0261 | 0.139 | BFI0218 | 09/09/2022 10:17 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.3 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-09-5
Lab Sample ID: 22F4240-20RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 29.3 | V | ug/kg | 1 | 2.40 | 2.40 | BFG3163 | 08/25/2022 07:14 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 78.4 | V | ug/kg | 1 | 4.81 | 4.81 | BFG3163 | 08/25/2022 07:14 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *4.27%* | *S* | *60-140* | | | | | *08/25/2022 07:14* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *84.1%* | | *60-140* | | | | | *08/25/2022 07:14* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *64.5%* | | *60-140* | | | | | *08/25/2022 07:14* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *114%* | | *60-140* | | | | | *08/25/2022 07:14* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *92.1%* | | *60-140* | | | | | *08/25/2022 07:14* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *77.9%* | | *60-140* | | | | | *08/25/2022 07:14* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-1
Lab Sample ID: 22F4240-21
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Acenaphthylene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Anthracene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.85U | ug/kg | 1 | 4.85 | 4.85 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.43B, U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Chrysene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 5.58 | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Fluoranthene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Fluorene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Naphthalene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Phenanthrene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Phenol, Total | A | 63.4V | ug/kg | 1 | 4.85 | 4.85 | BFG3159 | 08/25/2022 01:31 | KRB |
| SW-8270 | Pyrene | A | <2.43U | ug/kg | 1 | 2.43 | 2.43 | BFG3159 | 08/25/2022 01:31 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *68.9%* | *60-140* | | | | | *08/25/2022 01:31* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *83.0%* | *60-140* | | | | | *08/25/2022 01:31* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *85.0%* | *60-140* | | | | | *08/25/2022 01:31* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *80.3%* | *60-140* | | | | | *08/25/2022 01:31* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *104%* | *60-140* | | | | | *08/25/2022 01:31* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *20.9% S* | *60-140* | | | | | *08/25/2022 01:31* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00288U | mg/kg | 1 | 0.00288 | 0.0357 | BFI0218 | 09/08/2022 17:23 | TBB |
| EPA 200.8 | Arsenic | N | 1.41 | mg/kg | 1 | 0.00439 | 0.0179 | BFI0218 | 09/08/2022 17:23 | TBB |
| EPA 200.8 | Beryllium | N | 0.00279J | mg/kg | 1 | 0.000357 | 0.00714 | BFI0218 | 09/08/2022 19:27 | TBB |
| EPA 200.8 | Cadmium | N | 0.0696 | mg/kg | 1 | 0.00113 | 0.0357 | BFI0218 | 09/08/2022 17:23 | TBB |
| EPA 200.8 | Chromium | N | 0.200V | mg/kg | 1 | 0.00262 | 0.107 | BFI0218 | 09/08/2022 17:23 | TBB |
| EPA 200.8 | Copper | N | 1.95V | mg/kg | 1 | 0.00311 | 0.0357 | BFI0218 | 09/08/2022 17:23 | TBB |
| SW-7471B | Mercury | A | <0.00455 U | mg/kg | 1 | 0.00455 | 0.00909 | BFG2911 | 07/22/2022 17:46 | EM |
| EPA 200.8 | Lead | N | 0.127 | mg/kg | 1 | 0.00270 | 0.0179 | BFI0218 | 09/08/2022 17:23 | TBB |
| EPA 200.8 | Nickel | N | 0.260V | mg/kg | 1 | 0.000632 | 0.0357 | BFI0218 | 09/08/2022 17:23 | TBB |
| EPA 200.8 | Selenium | N | 0.234 | mg/kg | 1 | 0.0393 | 0.179 | BFI0218 | 09/08/2022 19:27 | TBB |
| EPA 200.8 | Silver | N | 0.0241 | mg/kg | 1 | 0.000254 | 0.0179 | BFI0218 | 09/08/2022 17:23 | TBB |
| EPA 200.8 | Thallium | N | 0.000750J | mg/kg | 1 | 0.000246 | 0.0179 | BFI0218 | 09/08/2022 17:23 | TBB |
| EPA 200.8 | Zinc | N | 10.8 | mg/kg | 1 | 0.0134 | 0.0714 | BFI0218 | 09/08/2022 17:23 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-1 (Continued)
Lab Sample ID: 22F4240-21
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.6 | | % | 1 | 0.100 | 0.100 | BFG0444 | 07/07/2022 10:03 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-2
Lab Sample ID: 22F4240-22
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Acenaphthylene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Anthracene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.79U | ug/kg | 1 | 4.79 | 4.79 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.39B, U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Chrysene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 13.6 | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Fluoranthene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Fluorene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Naphthalene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Phenanthrene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Phenol, Total | A | 69.6V | ug/kg | 1 | 4.79 | 4.79 | BFG3159 | 08/25/2022 02:06 | KRB |
| SW-8270 | Pyrene | A | <2.39U | ug/kg | 1 | 2.39 | 2.39 | BFG3159 | 08/25/2022 02:06 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *72.6%* | *60-140* | | | | | *08/25/2022 02:06* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *101%* | *60-140* | | | | | *08/25/2022 02:06* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *90.2%* | *60-140* | | | | | *08/25/2022 02:06* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *84.8%* | *60-140* | | | | | *08/25/2022 02:06* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *112%* | *60-140* | | | | | *08/25/2022 02:06* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *28.5% S* | *60-140* | | | | | *08/25/2022 02:06* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0347U | mg/kg | 1 | 0.0347 | 0.432 | BFH1125 | 08/17/2022 14:03 | TBB |
| EPA 200.8 | Arsenic | N | 1.70 | mg/kg | 1 | 0.0531 | 0.216 | BFH1125 | 08/17/2022 14:03 | TBB |
| EPA 200.8 | Beryllium | N | <0.00432U | mg/kg | 1 | 0.00432 | 0.0863 | BFH1125 | 08/17/2022 14:03 | TBB |
| EPA 200.8 | Cadmium | N | 0.0733J | mg/kg | 1 | 0.0136 | 0.432 | BFH1125 | 08/17/2022 14:03 | TBB |
| EPA 200.8 | Chromium | N | 0.0806J | mg/kg | 1 | 0.0317 | 1.29 | BFH1125 | 08/17/2022 14:03 | TBB |
| EPA 200.8 | Copper | N | 2.56 | mg/kg | 1 | 0.0376 | 0.432 | BFH1125 | 08/17/2022 14:03 | TBB |
| SW-7471B | Mercury | A | <0.00488 U | mg/kg | 1 | 0.00488 | 0.00976 | BFG2911 | 07/22/2022 17:49 | EM |
| EPA 200.8 | Lead | N | 0.109J | mg/kg | 1 | 0.0326 | 0.216 | BFH1125 | 08/17/2022 14:03 | TBB |
| EPA 200.8 | Nickel | N | 0.156J | mg/kg | 1 | 0.00764 | 0.432 | BFH1125 | 08/17/2022 14:03 | TBB |
| EPA 200.8 | Selenium | N | <0.475U | mg/kg | 1 | 0.475 | 2.16 | BFH1125 | 08/25/2022 12:41 | TBB |
| EPA 200.8 | Silver | N | 0.0287J | mg/kg | 1 | 0.00306 | 0.216 | BFH1125 | 08/17/2022 14:03 | TBB |
| EPA 200.8 | Thallium | N | <0.00298U | mg/kg | 1 | 0.00298 | 0.216 | BFH1125 | 08/17/2022 14:03 | TBB |
| EPA 200.8 | Zinc | N | 10.3 | mg/kg | 1 | 0.162 | 0.863 | BFH1125 | 08/23/2022 11:16 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-2 (Continued)
Lab Sample ID: 22F4240-22
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.0 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-3
Lab Sample ID: 22F4240-23
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | 5.38 | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Acenaphthylene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Anthracene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.84U | ug/kg | 1 | 4.84 | 4.84 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.42B, U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Chrysene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 9.19 | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Fluoranthene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Fluorene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Naphthalene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Phenanthrene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Phenol, Total | A | 85.2V | ug/kg | 1 | 4.84 | 4.84 | BFG3159 | 08/25/2022 02:41 | KRB |
| SW-8270 | Pyrene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 02:41 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *75.5%* | *60-140* | | | | | *08/25/2022 02:41* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *101%* | *60-140* | | | | | *08/25/2022 02:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *90.1%* | *60-140* | | | | | *08/25/2022 02:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *86.6%* | *60-140* | | | | | *08/25/2022 02:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *110%* | *60-140* | | | | | *08/25/2022 02:41* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *26.9% S* | *60-140* | | | | | *08/25/2022 02:41* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0374U | mg/kg | 1 | 0.0374 | 0.465 | BFH1125 | 08/17/2022 14:05 | TBB |
| EPA 200.8 | Arsenic | N | 1.86 | mg/kg | 1 | 0.0572 | 0.233 | BFH1125 | 08/17/2022 14:05 | TBB |
| EPA 200.8 | Beryllium | N | <0.00465U | mg/kg | 1 | 0.00465 | 0.0930 | BFH1125 | 08/17/2022 14:05 | TBB |
| EPA 200.8 | Cadmium | N | 0.0906J | mg/kg | 1 | 0.0147 | 0.465 | BFH1125 | 08/17/2022 14:05 | TBB |
| EPA 200.8 | Chromium | N | 0.162J | mg/kg | 1 | 0.0342 | 1.40 | BFH1125 | 08/17/2022 14:05 | TBB |
| EPA 200.8 | Copper | N | 2.75 | mg/kg | 1 | 0.0405 | 0.465 | BFH1125 | 08/17/2022 14:05 | TBB |
| SW-7471B | Mercury | A | <0.00480 U | mg/kg | 1 | 0.00480 | 0.00960 | BFG2911 | 07/22/2022 17:52 | EM |
| EPA 200.8 | Lead | N | 0.135J | mg/kg | 1 | 0.0351 | 0.233 | BFH1125 | 08/17/2022 14:05 | TBB |
| EPA 200.8 | Nickel | N | 0.242J | mg/kg | 1 | 0.00823 | 0.465 | BFH1125 | 08/17/2022 14:05 | TBB |
| EPA 200.8 | Selenium | N | <0.512U | mg/kg | 1 | 0.512 | 2.33 | BFH1125 | 08/25/2022 12:53 | TBB |
| EPA 200.8 | Silver | N | 0.0319J | mg/kg | 1 | 0.00330 | 0.233 | BFH1125 | 08/17/2022 14:05 | TBB |
| EPA 200.8 | Thallium | N | <0.00321U | mg/kg | 1 | 0.00321 | 0.233 | BFH1125 | 08/17/2022 14:05 | TBB |
| EPA 200.8 | Zinc | N | 10.8 | mg/kg | 1 | 0.175 | 0.930 | BFH1125 | 08/23/2022 11:18 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-PRETEST-3 (Continued) | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-23 | Date Collected: | 04/14/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.9 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-1
Lab Sample ID: 22F4240-24
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Acenaphthylene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Anthracene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.95U | ug/kg | 1 | 4.95 | 4.95 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.48B, U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Chrysene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 6.31 | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Fluoranthene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Fluorene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Naphthalene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Phenanthrene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Phenol, Total | A | 93.6V | ug/kg | 1 | 4.95 | 4.95 | BFG3159 | 08/25/2022 03:16 | KRB |
| SW-8270 | Pyrene | A | <2.48U | ug/kg | 1 | 2.48 | 2.48 | BFG3159 | 08/25/2022 03:16 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *74.5%* | *60-140* | | | | | *08/25/2022 03:16* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *88.4%* | *60-140* | | | | | *08/25/2022 03:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *85.5%* | *60-140* | | | | | *08/25/2022 03:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *81.1%* | *60-140* | | | | | *08/25/2022 03:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *111%* | *60-140* | | | | | *08/25/2022 03:16* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *21.0% S* | *60-140* | | | | | *08/25/2022 03:16* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00312U | mg/kg | 1 | 0.00312 | 0.0388 | BFI0218 | 09/08/2022 17:25 | TBB |
| EPA 200.8 | Arsenic | N | 3.10 | mg/kg | 1 | 0.00477 | 0.0194 | BFI0218 | 09/08/2022 17:25 | TBB |
| EPA 200.8 | Beryllium | N | 0.000426J | mg/kg | 1 | 0.000388 | 0.00775 | BFI0218 | 09/08/2022 19:30 | TBB |
| EPA 200.8 | Cadmium | N | 0.0494 | mg/kg | 1 | 0.00122 | 0.0388 | BFI0218 | 09/08/2022 17:25 | TBB |
| EPA 200.8 | Chromium | N | 0.0496V, J | mg/kg | 1 | 0.00285 | 0.116 | BFI0218 | 09/08/2022 17:25 | TBB |
| EPA 200.8 | Copper | N | 1.39V | mg/kg | 1 | 0.00337 | 0.0388 | BFI0218 | 09/08/2022 17:25 | TBB |
| SW-7471B | Mercury | A | <0.00451 U | mg/kg | 1 | 0.00451 | 0.00902 | BFI0732 | 09/07/2022 14:09 | NAZ |
| EPA 200.8 | Lead | N | 0.0898 | mg/kg | 1 | 0.00293 | 0.0194 | BFI0218 | 09/08/2022 17:25 | TBB |
| EPA 200.8 | Nickel | N | 0.226V | mg/kg | 1 | 0.000686 | 0.0388 | BFI0218 | 09/08/2022 17:25 | TBB |
| EPA 200.8 | Selenium | N | 0.350 | mg/kg | 1 | 0.0426 | 0.194 | BFI0218 | 09/09/2022 10:25 | TBB |
| EPA 200.8 | Silver | N | 0.0154J | mg/kg | 1 | 0.000275 | 0.0194 | BFI0218 | 09/08/2022 17:25 | TBB |
| EPA 200.8 | Thallium | N | 0.000426J | mg/kg | 1 | 0.000267 | 0.0194 | BFI0218 | 09/08/2022 17:25 | TBB |
| EPA 200.8 | Zinc | N | 39.8 | mg/kg | 5 | 0.0728 | 0.388 | BFI0218 | 09/09/2022 10:20 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-1 (Continued)
Lab Sample ID: 22F4240-24
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.1 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-2
Lab Sample ID: 22F4240-25
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Acenaphthylene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Anthracene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.55U | ug/kg | 1 | 4.55 | 4.55 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.27B, U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Chrysene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 21.5 | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Fluoranthene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Fluorene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Naphthalene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Phenanthrene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Phenol, Total | A | 87.5V | ug/kg | 1 | 4.55 | 4.55 | BFG3159 | 08/25/2022 03:51 | KRB |
| SW-8270 | Pyrene | A | <2.27U | ug/kg | 1 | 2.27 | 2.27 | BFG3159 | 08/25/2022 03:51 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *72.4%* | *60-140* | | | | | *08/25/2022 03:51* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *81.6%* | *60-140* | | | | | *08/25/2022 03:51* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *85.7%* | *60-140* | | | | | *08/25/2022 03:51* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *82.6%* | *60-140* | | | | | *08/25/2022 03:51* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *109%* | *60-140* | | | | | *08/25/2022 03:51* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *18.4% S* | *60-140* | | | | | *08/25/2022 03:51* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00333U | mg/kg | 1 | 0.00333 | 0.0413 | BFI0218 | 09/08/2022 17:27 | TBB |
| EPA 200.8 | Arsenic | N | 3.11 | mg/kg | 1 | 0.00508 | 0.0207 | BFI0218 | 09/08/2022 17:27 | TBB |
| EPA 200.8 | Beryllium | N | 0.000950J | mg/kg | 1 | 0.000413 | 0.00826 | BFI0218 | 09/08/2022 19:32 | TBB |
| EPA 200.8 | Cadmium | N | 0.0552 | mg/kg | 1 | 0.00131 | 0.0413 | BFI0218 | 09/08/2022 17:27 | TBB |
| EPA 200.8 | Chromium | N | 0.0674V, J | mg/kg | 1 | 0.00304 | 0.124 | BFI0218 | 09/08/2022 17:27 | TBB |
| EPA 200.8 | Copper | N | 1.47V | mg/kg | 1 | 0.00360 | 0.0413 | BFI0218 | 09/08/2022 17:27 | TBB |
| SW-7471B | Mercury | A | <0.00476 U | mg/kg | 1 | 0.00476 | 0.00952 | BFH2169 | 08/16/2022 18:23 | NAZ |
| EPA 200.8 | Lead | N | 0.0809 | mg/kg | 1 | 0.00312 | 0.0207 | BFI0218 | 09/08/2022 17:27 | TBB |
| EPA 200.8 | Nickel | N | 0.244V | mg/kg | 1 | 0.000731 | 0.0413 | BFI0218 | 09/08/2022 17:27 | TBB |
| EPA 200.8 | Selenium | N | 0.363 | mg/kg | 1 | 0.0455 | 0.207 | BFI0218 | 09/09/2022 10:36 | TBB |
| EPA 200.8 | Silver | N | 0.0131J | mg/kg | 1 | 0.000293 | 0.0207 | BFI0218 | 09/08/2022 17:27 | TBB |
| EPA 200.8 | Thallium | N | 0.000413J | mg/kg | 1 | 0.000285 | 0.0207 | BFI0218 | 09/08/2022 17:27 | TBB |
| EPA 200.8 | Zinc | N | 10.6 | mg/kg | 1 | 0.0155 | 0.0826 | BFI0218 | 09/08/2022 17:27 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-2 (Continued)
Lab Sample ID: 22F4240-25
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.2 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-3
Lab Sample ID: 22F4240-26
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Acenaphthylene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Anthracene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.69U | ug/kg | 1 | 4.69 | 4.69 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.35B, U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Chrysene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 22.5 | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Fluoranthene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Fluorene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Naphthalene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Phenanthrene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Phenol, Total | A | 86.3V | ug/kg | 1 | 4.69 | 4.69 | BFG3159 | 08/25/2022 04:25 | KRB |
| SW-8270 | Pyrene | A | <2.35U | ug/kg | 1 | 2.35 | 2.35 | BFG3159 | 08/25/2022 04:25 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *78.9%* | *60-140* | | | | | *08/25/2022 04:25* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *83.4%* | *60-140* | | | | | *08/25/2022 04:25* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *86.8%* | *60-140* | | | | | *08/25/2022 04:25* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *82.6%* | *60-140* | | | | | *08/25/2022 04:25* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *108%* | *60-140* | | | | | *08/25/2022 04:25* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *17.5% S* | *60-140* | | | | | *08/25/2022 04:25* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00314U | mg/kg | 1 | 0.00314 | 0.0391 | BFI0218 | 09/08/2022 17:37 | TBB |
| EPA 200.8 | Arsenic | N | 3.13 | mg/kg | 1 | 0.00480 | 0.0195 | BFI0218 | 09/09/2022 10:39 | TBB |
| EPA 200.8 | Beryllium | N | 0.000430J | mg/kg | 1 | 0.000391 | 0.00781 | BFI0218 | 09/08/2022 19:35 | TBB |
| EPA 200.8 | Cadmium | N | 0.0551 | mg/kg | 1 | 0.00123 | 0.0391 | BFI0218 | 09/08/2022 17:37 | TBB |
| EPA 200.8 | Chromium | N | 0.0564V, J | mg/kg | 1 | 0.00287 | 0.117 | BFI0218 | 09/08/2022 17:37 | TBB |
| EPA 200.8 | Copper | N | 1.34V | mg/kg | 1 | 0.00340 | 0.0391 | BFI0218 | 09/08/2022 17:37 | TBB |
| EPA 200.8 | Lead | N | 0.0786 | mg/kg | 1 | 0.00295 | 0.0195 | BFI0218 | 09/08/2022 17:37 | TBB |
| EPA 200.8 | Nickel | N | 0.215V | mg/kg | 1 | 0.000691 | 0.0391 | BFI0218 | 09/08/2022 17:37 | TBB |
| EPA 200.8 | Selenium | N | 0.368 | mg/kg | 1 | 0.0430 | 0.195 | BFI0218 | 09/09/2022 10:39 | TBB |
| EPA 200.8 | Silver | N | 0.0123J | mg/kg | 1 | 0.000277 | 0.0195 | BFI0218 | 09/08/2022 17:37 | TBB |
| EPA 200.8 | Thallium | N | 0.000391J | mg/kg | 1 | 0.000270 | 0.0195 | BFI0218 | 09/08/2022 17:37 | TBB |
| EPA 200.8 | Zinc | N | 34.0 | mg/kg | 5 | 0.0733 | 0.391 | BFI0218 | 09/09/2022 10:23 | TBB |
| **General Chemistry** | | | | | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-3 (Continued)
Lab Sample ID: 22F4240-26
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.6 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-3
Lab Sample ID: 22F4240-26RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.00458 | U | mg/kg | 1 | 0.00458 | 0.00916 | BFI0732 | 09/07/2022 14:12 | NAZ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-4
Lab Sample ID: 22F4240-27
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Acenaphthylene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Anthracene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.43U | ug/kg | 1 | 4.43 | 4.43 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.22B, U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Chrysene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 29.5 | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Fluoranthene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Fluorene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Naphthalene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Phenanthrene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| SW-8270 | Pyrene | A | <2.22U | ug/kg | 1 | 2.22 | 2.22 | BFG3159 | 08/25/2022 05:00 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *66.7%* | *60-140* | | | | | *08/25/2022 05:00* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *71.3%* | *60-140* | | | | | *08/25/2022 05:00* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *85.5%* | *60-140* | | | | | *08/25/2022 05:00* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *79.6%* | *60-140* | | | | | *08/25/2022 05:00* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *105%* | *60-140* | | | | | *08/25/2022 05:00* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *17.5% S* | *60-140* | | | | | *08/25/2022 05:00* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00327U | mg/kg | 1 | 0.00327 | 0.0407 | BFI0218 | 09/08/2022 17:40 | TBB |
| EPA 200.8 | Arsenic | N | 3.01 | mg/kg | 1 | 0.00500 | 0.0203 | BFI0218 | 09/09/2022 10:41 | TBB |
| EPA 200.8 | Beryllium | N | 0.000407J | mg/kg | 1 | 0.000407 | 0.00813 | BFI0218 | 09/08/2022 19:38 | TBB |
| EPA 200.8 | Cadmium | N | 0.0553 | mg/kg | 1 | 0.00128 | 0.0407 | BFI0218 | 09/08/2022 17:40 | TBB |
| EPA 200.8 | Chromium | N | 0.0519V, J | mg/kg | 1 | 0.00299 | 0.122 | BFI0218 | 09/08/2022 17:40 | TBB |
| EPA 200.8 | Copper | N | 1.42V | mg/kg | 1 | 0.00354 | 0.0407 | BFI0218 | 09/08/2022 17:40 | TBB |
| EPA 200.8 | Lead | N | 0.0981 | mg/kg | 1 | 0.00307 | 0.0203 | BFI0218 | 09/08/2022 17:40 | TBB |
| EPA 200.8 | Nickel | N | 0.211V | mg/kg | 1 | 0.000720 | 0.0407 | BFI0218 | 09/08/2022 17:40 | TBB |
| EPA 200.8 | Selenium | N | 0.324 | mg/kg | 1 | 0.0447 | 0.203 | BFI0218 | 09/08/2022 19:38 | TBB |
| EPA 200.8 | Silver | N | 0.0143J | mg/kg | 1 | 0.000289 | 0.0203 | BFI0218 | 09/08/2022 17:40 | TBB |
| EPA 200.8 | Thallium | N | 0.000691J | mg/kg | 1 | 0.000280 | 0.0203 | BFI0218 | 09/08/2022 17:40 | TBB |
| EPA 200.8 | Zinc | N | 9.75 | mg/kg | 1 | 0.0153 | 0.0813 | BFI0218 | 09/08/2022 17:40 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.7 | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-06-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-27RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 33.1 | V | ug/kg | 2 | 8.87 | 8.87 | BFG3159 | 08/25/2022 23:42 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *47.1%* | *S* | *60-140* | | | | | *08/25/2022 23:42* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *61.3%* | | *60-140* | | | | | *08/25/2022 23:42* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *61.6%* | | *60-140* | | | | | *08/25/2022 23:42* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *69.4%* | | *60-140* | | | | | *08/25/2022 23:42* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *87.1%* | | *60-140* | | | | | *08/25/2022 23:42* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *34.2%* | *S* | *60-140* | | | | | *08/25/2022 23:42* | |
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.00451 | U | mg/kg | 1 | 0.00451 | 0.00902 | BFI0732 | 09/07/2022 14:15 | NAZ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-5
Lab Sample ID: 22F4240-28
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Acenaphthylene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Anthracene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.84U | ug/kg | 1 | 4.84 | 4.84 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.42B, U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Chrysene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 5.53 | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Fluoranthene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Fluorene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Naphthalene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Phenanthrene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| SW-8270 | Pyrene | A | <2.42U | ug/kg | 1 | 2.42 | 2.42 | BFG3159 | 08/25/2022 05:35 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *72.5%* | *60-140* | | | | | *08/25/2022 05:35* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *81.6%* | *60-140* | | | | | *08/25/2022 05:35* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *86.9%* | *60-140* | | | | | *08/25/2022 05:35* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *81.5%* | *60-140* | | | | | *08/25/2022 05:35* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *114%* | *60-140* | | | | | *08/25/2022 05:35* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *23.3% S* | *60-140* | | | | | *08/25/2022 05:35* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00347J | mg/kg | 1 | 0.00307 | 0.0382 | BFI0218 | 09/08/2022 17:42 | TBB |
| EPA 200.8 | Arsenic | N | 2.92 | mg/kg | 1 | 0.00469 | 0.0191 | BFI0218 | 09/09/2022 10:44 | TBB |
| EPA 200.8 | Beryllium | N | 0.000840J | mg/kg | 1 | 0.000382 | 0.00763 | BFI0218 | 09/08/2022 19:40 | TBB |
| EPA 200.8 | Cadmium | N | 0.0532 | mg/kg | 1 | 0.00121 | 0.0382 | BFI0218 | 09/08/2022 17:42 | TBB |
| EPA 200.8 | Chromium | N | 0.0628V, J | mg/kg | 1 | 0.00281 | 0.115 | BFI0218 | 09/08/2022 17:42 | TBB |
| EPA 200.8 | Copper | N | 1.41V | mg/kg | 1 | 0.00332 | 0.0382 | BFI0218 | 09/08/2022 17:42 | TBB |
| EPA 200.8 | Lead | N | 0.0958 | mg/kg | 1 | 0.00288 | 0.0191 | BFI0218 | 09/08/2022 17:42 | TBB |
| EPA 200.8 | Nickel | N | 0.212V | mg/kg | 1 | 0.000676 | 0.0382 | BFI0218 | 09/08/2022 17:42 | TBB |
| EPA 200.8 | Selenium | N | 0.340 | mg/kg | 1 | 0.0420 | 0.191 | BFI0218 | 09/08/2022 19:40 | TBB |
| EPA 200.8 | Silver | N | 0.0177J | mg/kg | 1 | 0.000271 | 0.0191 | BFI0218 | 09/08/2022 17:42 | TBB |
| EPA 200.8 | Thallium | N | 0.000878J | mg/kg | 1 | 0.000263 | 0.0191 | BFI0218 | 09/08/2022 17:42 | TBB |
| EPA 200.8 | Zinc | N | 10.0 | mg/kg | 1 | 0.0143 | 0.0763 | BFI0218 | 09/08/2022 17:42 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.2 | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-06-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-28RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 33.5 | V | ug/kg | 2 | 9.67 | 9.67 | BFG3159 | 08/26/2022 00:17 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *48.4%* | *S* | *60-140* | | | | | *08/26/2022 00:17* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *68.1%* | | *60-140* | | | | | *08/26/2022 00:17* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *59.8%* | *S* | *60-140* | | | | | *08/26/2022 00:17* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *65.1%* | | *60-140* | | | | | *08/26/2022 00:17* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *83.1%* | | *60-140* | | | | | *08/26/2022 00:17* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *42.9%* | *S* | *60-140* | | | | | *08/26/2022 00:17* | |
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.00462 | U | mg/kg | 1 | 0.00462 | 0.00923 | BFI0732 | 09/07/2022 14:19 | NAZ |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-1
Lab Sample ID: 22F4240-29
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00305 | U | mg/kg | 1 | 0.00305 | 0.0379 | BFI0219 | 09/09/2022 10:55 | TBB |
| EPA 200.8 | Arsenic | N | 2.58 | | mg/kg | 1 | 0.00466 | 0.0189 | BFI0219 | 09/09/2022 10:55 | TBB |
| EPA 200.8 | Beryllium | N | 0.000530 | J | mg/kg | 1 | 0.000379 | 0.00758 | BFI0219 | 09/09/2022 10:55 | TBB |
| EPA 200.8 | Cadmium | N | 0.0410 | | mg/kg | 1 | 0.00120 | 0.0379 | BFI0219 | 09/09/2022 10:55 | TBB |
| EPA 200.8 | Chromium | N | 0.0698 | J | mg/kg | 1 | 0.00278 | 0.114 | BFI0219 | 09/09/2022 10:55 | TBB |
| EPA 200.8 | Copper | N | 1.15 | V | mg/kg | 1 | 0.00330 | 0.0379 | BFI0219 | 09/09/2022 10:55 | TBB |
| EPA 200.8 | Lead | N | 0.0858 | | mg/kg | 1 | 0.00286 | 0.0189 | BFI0219 | 09/09/2022 10:55 | TBB |
| EPA 200.8 | Nickel | N | 0.207 | | mg/kg | 1 | 0.000670 | 0.0379 | BFI0219 | 09/09/2022 10:55 | TBB |
| EPA 200.8 | Selenium | N | 0.311 | | mg/kg | 1 | 0.0417 | 0.189 | BFI0219 | 09/09/2022 10:55 | TBB |
| EPA 200.8 | Silver | N | 0.0239 | | mg/kg | 1 | 0.000269 | 0.0189 | BFI0219 | 09/09/2022 10:55 | TBB |
| EPA 200.8 | Thallium | N | 0.000303 | J | mg/kg | 1 | 0.000261 | 0.0189 | BFI0219 | 09/09/2022 10:55 | TBB |
| EPA 200.8 | Zinc | N | 41.0 | V | mg/kg | 5 | 0.0711 | 0.379 | BFI0219 | 09/09/2022 12:01 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.3 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-1
Lab Sample ID: 22F4240-29RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.00451 | U | mg/kg | 1 | 0.00451 | 0.00902 | BFI0732 | 09/07/2022 14:22 | NAZ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-2
Lab Sample ID: 22F4240-30
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00317 | U | mg/kg | 1 | 0.00317 | 0.0394 | BFI0219 | 09/09/2022 11:45 | TBB |
| EPA 200.8 | Arsenic | N | 2.62 | | mg/kg | 1 | 0.00484 | 0.0197 | BFI0219 | 09/09/2022 17:03 | TBB |
| EPA 200.8 | Beryllium | N | <0.000394 | U | mg/kg | 1 | 0.000394 | 0.00787 | BFI0219 | 09/09/2022 17:03 | TBB |
| EPA 200.8 | Cadmium | N | 0.0411 | | mg/kg | 1 | 0.00124 | 0.0394 | BFI0219 | 09/09/2022 11:45 | TBB |
| EPA 200.8 | Chromium | N | 0.0606 | J | mg/kg | 1 | 0.00289 | 0.118 | BFI0219 | 09/09/2022 11:45 | TBB |
| EPA 200.8 | Copper | N | 1.23 | V | mg/kg | 1 | 0.00343 | 0.0394 | BFI0219 | 09/09/2022 11:45 | TBB |
| SW-7471B | Mercury | A | <0.00472 | U | mg/kg | 1 | 0.00472 | 0.00945 | BFH2169 | 08/16/2022 18:27 | NAZ |
| EPA 200.8 | Lead | N | 0.0795 | | mg/kg | 1 | 0.00297 | 0.0197 | BFI0219 | 09/09/2022 11:45 | TBB |
| EPA 200.8 | Nickel | N | 0.211 | | mg/kg | 1 | 0.000697 | 0.0394 | BFI0219 | 09/09/2022 11:45 | TBB |
| EPA 200.8 | Selenium | N | 0.346 | | mg/kg | 1 | 0.0433 | 0.197 | BFI0219 | 09/09/2022 11:45 | TBB |
| EPA 200.8 | Silver | N | 0.0274 | | mg/kg | 1 | 0.000280 | 0.0197 | BFI0219 | 09/09/2022 11:45 | TBB |
| EPA 200.8 | Thallium | N | 0.000315 | J | mg/kg | 1 | 0.000272 | 0.0197 | BFI0219 | 09/09/2022 11:45 | TBB |
| EPA 200.8 | Zinc | N | 9.15 | V | mg/kg | 1 | 0.0148 | 0.0787 | BFI0219 | 09/09/2022 11:45 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.6 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-3
Lab Sample ID: 22F4240-31
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00312 | U | mg/kg | 1 | 0.00312 | 0.0388 | BFI0219 | 09/09/2022 11:11 | TBB |
| EPA 200.8 | Arsenic | N | 2.60 | | mg/kg | 1 | 0.00477 | 0.0194 | BFI0219 | 09/09/2022 11:11 | TBB |
| EPA 200.8 | Beryllium | N | 0.000504 | J | mg/kg | 1 | 0.000388 | 0.00775 | BFI0219 | 09/09/2022 16:28 | TBB |
| EPA 200.8 | Cadmium | N | 0.0405 | | mg/kg | 1 | 0.00122 | 0.0388 | BFI0219 | 09/09/2022 11:11 | TBB |
| EPA 200.8 | Chromium | N | 0.0428 | J | mg/kg | 1 | 0.00285 | 0.116 | BFI0219 | 09/09/2022 11:11 | TBB |
| EPA 200.8 | Copper | N | 1.18 | V | mg/kg | 1 | 0.00337 | 0.0388 | BFI0219 | 09/09/2022 11:11 | TBB |
| SW-7471B | Mercury | A | <0.00429 | U | mg/kg | 1 | 0.00429 | 0.00857 | BFH2169 | 08/16/2022 18:30 | NAZ |
| EPA 200.8 | Lead | N | 0.0758 | | mg/kg | 1 | 0.00293 | 0.0194 | BFI0219 | 09/09/2022 11:11 | TBB |
| EPA 200.8 | Nickel | N | 0.191 | | mg/kg | 1 | 0.000686 | 0.0388 | BFI0219 | 09/09/2022 11:11 | TBB |
| EPA 200.8 | Selenium | N | 0.331 | | mg/kg | 1 | 0.0426 | 0.194 | BFI0219 | 09/09/2022 11:11 | TBB |
| EPA 200.8 | Silver | N | 0.0266 | | mg/kg | 1 | 0.000275 | 0.0194 | BFI0219 | 09/09/2022 11:11 | TBB |
| EPA 200.8 | Thallium | N | 0.000310 | J | mg/kg | 1 | 0.000267 | 0.0194 | BFI0219 | 09/09/2022 11:11 | TBB |
| EPA 200.8 | Zinc | N | 44.5 | V | mg/kg | 5 | 0.0728 | 0.388 | BFI0219 | 09/09/2022 12:09 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.6 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-4
Lab Sample ID: 22F4240-32
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00312 | U | mg/kg | 1 | 0.00312 | 0.0388 | BFI0219 | 09/09/2022 11:13 | TBB |
| EPA 200.8 | Arsenic | N | 2.90 | | mg/kg | 1 | 0.00477 | 0.0194 | BFI0219 | 09/09/2022 11:13 | TBB |
| EPA 200.8 | Beryllium | N | 0.000581 | J | mg/kg | 1 | 0.000388 | 0.00775 | BFI0219 | 09/09/2022 16:30 | TBB |
| EPA 200.8 | Cadmium | N | 0.0452 | | mg/kg | 1 | 0.00122 | 0.0388 | BFI0219 | 09/09/2022 11:13 | TBB |
| EPA 200.8 | Chromium | N | 0.0556 | J | mg/kg | 1 | 0.00285 | 0.116 | BFI0219 | 09/09/2022 11:13 | TBB |
| EPA 200.8 | Copper | N | 1.20 | V | mg/kg | 1 | 0.00337 | 0.0388 | BFI0219 | 09/09/2022 11:13 | TBB |
| SW-7471B | Mercury | A | <0.00403 | U | mg/kg | 1 | 0.00403 | 0.00805 | BFH2169 | 08/16/2022 18:40 | NAZ |
| EPA 200.8 | Lead | N | 0.0655 | | mg/kg | 1 | 0.00293 | 0.0194 | BFI0219 | 09/09/2022 11:13 | TBB |
| EPA 200.8 | Nickel | N | 0.199 | | mg/kg | 1 | 0.000686 | 0.0388 | BFI0219 | 09/09/2022 11:13 | TBB |
| EPA 200.8 | Selenium | N | 0.343 | | mg/kg | 1 | 0.0426 | 0.194 | BFI0219 | 09/09/2022 11:13 | TBB |
| EPA 200.8 | Silver | N | 0.0178 | J | mg/kg | 1 | 0.000275 | 0.0194 | BFI0219 | 09/09/2022 11:13 | TBB |
| EPA 200.8 | Thallium | N | 0.000310 | J | mg/kg | 1 | 0.000267 | 0.0194 | BFI0219 | 09/09/2022 11:13 | TBB |
| EPA 200.8 | Zinc | N | 9.44 | V | mg/kg | 1 | 0.0146 | 0.0775 | BFI0219 | 09/09/2022 11:13 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.9 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-5
Lab Sample ID: 22F4240-33
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00303 | U | mg/kg | 1 | 0.00303 | 0.0376 | BFI0219 | 09/09/2022 11:16 | TBB |
| EPA 200.8 | Arsenic | N | 2.79 | | mg/kg | 1 | 0.00462 | 0.0188 | BFI0219 | 09/09/2022 11:16 | TBB |
| EPA 200.8 | Beryllium | N | 0.000789 | J | mg/kg | 1 | 0.000376 | 0.00752 | BFI0219 | 09/09/2022 16:33 | TBB |
| EPA 200.8 | Cadmium | N | 0.0411 | | mg/kg | 1 | 0.00119 | 0.0376 | BFI0219 | 09/09/2022 11:16 | TBB |
| EPA 200.8 | Chromium | N | 0.0581 | J | mg/kg | 1 | 0.00276 | 0.113 | BFI0219 | 09/09/2022 11:16 | TBB |
| EPA 200.8 | Copper | N | 1.14 | V | mg/kg | 1 | 0.00327 | 0.0376 | BFI0219 | 09/09/2022 11:16 | TBB |
| SW-7471B | Mercury | A | <0.00455 | U | mg/kg | 1 | 0.00455 | 0.00909 | BFH2169 | 08/16/2022 18:43 | NAZ |
| EPA 200.8 | Lead | N | 0.0744 | | mg/kg | 1 | 0.00284 | 0.0188 | BFI0219 | 09/09/2022 11:16 | TBB |
| EPA 200.8 | Nickel | N | 0.213 | | mg/kg | 1 | 0.000665 | 0.0376 | BFI0219 | 09/09/2022 11:16 | TBB |
| EPA 200.8 | Selenium | N | 0.338 | | mg/kg | 1 | 0.0414 | 0.188 | BFI0219 | 09/09/2022 11:16 | TBB |
| EPA 200.8 | Silver | N | 0.0185 | J | mg/kg | 1 | 0.000267 | 0.0188 | BFI0219 | 09/09/2022 11:16 | TBB |
| EPA 200.8 | Thallium | N | 0.000376 | J | mg/kg | 1 | 0.000259 | 0.0188 | BFI0219 | 09/09/2022 11:16 | TBB |
| EPA 200.8 | Zinc | N | 37.0 | V | mg/kg | 5 | 0.0706 | 0.376 | BFI0219 | 09/09/2022 12:20 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.9 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-08-1
Lab Sample ID: 22F4240-34
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.33 | B, U | ug/kg | 1 | 2.33 | 2.33 | BFG3163 | 08/18/2022 13:11 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 6.72 | V | ug/kg | 1 | 2.33 | 2.33 | BFG3163 | 08/18/2022 13:11 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *22.1%* | *S* | *60-140* | | | | | *08/18/2022 13:11* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *76.1%* | | *60-140* | | | | | *08/18/2022 13:11* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *72.8%* | | *60-140* | | | | | *08/18/2022 13:11* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *93.8%* | | *60-140* | | | | | *08/18/2022 13:11* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *141%* | *S* | *60-140* | | | | | *08/18/2022 13:11* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *32.3%* | *S* | *60-140* | | | | | *08/18/2022 13:11* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00288 | U | mg/kg | 1 | 0.00288 | 0.0357 | BFI0219 | 09/09/2022 11:19 | TBB |
| EPA 200.8 | Arsenic | N | 2.70 | | mg/kg | 1 | 0.00439 | 0.0179 | BFI0219 | 09/09/2022 11:19 | TBB |
| EPA 200.8 | Beryllium | N | 0.00218 | J | mg/kg | 1 | 0.000357 | 0.00714 | BFI0219 | 09/09/2022 16:36 | TBB |
| EPA 200.8 | Cadmium | N | 0.0428 | | mg/kg | 1 | 0.00113 | 0.0357 | BFI0219 | 09/09/2022 11:19 | TBB |
| EPA 200.8 | Chromium | N | 0.0605 | J | mg/kg | 1 | 0.00262 | 0.107 | BFI0219 | 09/09/2022 11:19 | TBB |
| EPA 200.8 | Copper | N | 1.35 | V | mg/kg | 1 | 0.00311 | 0.0357 | BFI0219 | 09/09/2022 11:19 | TBB |
| SW-7471B | Mercury | A | <0.00480 | U | mg/kg | 1 | 0.00480 | 0.00960 | BFH2169 | 08/16/2022 18:47 | NAZ |
| EPA 200.8 | Lead | N | 0.0738 | | mg/kg | 1 | 0.00270 | 0.0179 | BFI0219 | 09/09/2022 11:19 | TBB |
| EPA 200.8 | Nickel | N | 0.204 | | mg/kg | 1 | 0.000632 | 0.0357 | BFI0219 | 09/09/2022 11:19 | TBB |
| EPA 200.8 | Selenium | N | 0.351 | | mg/kg | 1 | 0.0393 | 0.179 | BFI0219 | 09/09/2022 11:19 | TBB |
| EPA 200.8 | Silver | N | 0.0170 | J | mg/kg | 1 | 0.000254 | 0.0179 | BFI0219 | 09/09/2022 11:19 | TBB |
| EPA 200.8 | Thallium | N | 0.000429 | J | mg/kg | 1 | 0.000246 | 0.0179 | BFI0219 | 09/09/2022 11:19 | TBB |
| EPA 200.8 | Zinc | N | 9.79 | V | mg/kg | 1 | 0.0134 | 0.0714 | BFI0219 | 09/09/2022 11:19 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.8 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-08-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-34RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 114 | V | ug/kg | 2 | 9.31 | 9.31 | BFG3163 | 08/25/2022 07:48 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *14.7%* | *S* | *60-140* | | | | | *08/25/2022 07:48* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *85.5%* | | *60-140* | | | | | *08/25/2022 07:48* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *100%* | | *60-140* | | | | | *08/25/2022 07:48* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *192%* | *S* | *60-140* | | | | | *08/25/2022 07:48* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *141%* | *S* | *60-140* | | | | | *08/25/2022 07:48* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *77.4%* | | *60-140* | | | | | *08/25/2022 07:48* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-08-2
Lab Sample ID: 22F4240-35
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 7.94 | V | ug/kg | 1 | 2.31 | 2.31 | BFG3163 | 08/18/2022 13:45 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *15.6%* | *S* | *60-140* | | | | | *08/18/2022 13:45* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *77.2%* | | *60-140* | | | | | *08/18/2022 13:45* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *64.0%* | | *60-140* | | | | | *08/18/2022 13:45* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *132%* | | *60-140* | | | | | *08/18/2022 13:45* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *108%* | | *60-140* | | | | | *08/18/2022 13:45* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *41.6%* | *S* | *60-140* | | | | | *08/18/2022 13:45* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00303 | U | mg/kg | 1 | 0.00303 | 0.0376 | BFI0219 | 09/09/2022 11:21 | TBB |
| EPA 200.8 | Arsenic | N | 2.80 | | mg/kg | 1 | 0.00462 | 0.0188 | BFI0219 | 09/09/2022 11:21 | TBB |
| EPA 200.8 | Beryllium | N | 0.00120 | J | mg/kg | 1 | 0.000376 | 0.00752 | BFI0219 | 09/09/2022 16:38 | TBB |
| EPA 200.8 | Cadmium | N | 0.0461 | | mg/kg | 1 | 0.00119 | 0.0376 | BFI0219 | 09/09/2022 11:21 | TBB |
| EPA 200.8 | Chromium | N | 0.0510 | J | mg/kg | 1 | 0.00276 | 0.113 | BFI0219 | 09/09/2022 11:21 | TBB |
| EPA 200.8 | Copper | N | 1.21 | V | mg/kg | 1 | 0.00327 | 0.0376 | BFI0219 | 09/09/2022 11:21 | TBB |
| SW-7471B | Mercury | A | <0.00480 | U | mg/kg | 1 | 0.00480 | 0.00960 | BFH2169 | 08/16/2022 18:50 | NAZ |
| EPA 200.8 | Lead | N | 0.0735 | | mg/kg | 1 | 0.00284 | 0.0188 | BFI0219 | 09/09/2022 11:21 | TBB |
| EPA 200.8 | Nickel | N | 0.202 | | mg/kg | 1 | 0.000665 | 0.0376 | BFI0219 | 09/09/2022 11:21 | TBB |
| EPA 200.8 | Selenium | N | 0.344 | | mg/kg | 1 | 0.0414 | 0.188 | BFI0219 | 09/09/2022 11:21 | TBB |
| EPA 200.8 | Silver | N | 0.0195 | | mg/kg | 1 | 0.000267 | 0.0188 | BFI0219 | 09/09/2022 11:21 | TBB |
| EPA 200.8 | Thallium | N | 0.000639 | J | mg/kg | 1 | 0.000259 | 0.0188 | BFI0219 | 09/09/2022 11:21 | TBB |
| EPA 200.8 | Zinc | N | 24.8 | V | mg/kg | 5 | 0.0706 | 0.376 | BFI0219 | 09/09/2022 12:23 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.8 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-08-2
Lab Sample ID: 22F4240-35RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 36.4 | V | ug/kg | 1 | 2.31 | 2.31 | BFG3163 | 08/25/2022 08:23 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 110 | V | ug/kg | 1 | 4.63 | 4.63 | BFG3163 | 08/25/2022 08:23 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *11.0%* | *S* | *60-140* | | | | | *08/25/2022 08:23* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *72.7%* | | *60-140* | | | | | *08/25/2022 08:23* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *79.8%* | | *60-140* | | | | | *08/25/2022 08:23* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *124%* | | *60-140* | | | | | *08/25/2022 08:23* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *121%* | | *60-140* | | | | | *08/25/2022 08:23* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *58.9%* | *S* | *60-140* | | | | | *08/25/2022 08:23* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-08-3
Lab Sample ID: 22F4240-36
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 39.4 | V | ug/kg | 1 | 2.42 | 2.42 | BFG3163 | 08/18/2022 14:19 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 16.9 | V | ug/kg | 1 | 2.42 | 2.42 | BFG3163 | 08/18/2022 14:19 | KRB |
| SW-8270 | Phenol, Total | A | 134 | V | ug/kg | 1 | 4.84 | 4.84 | BFG3163 | 08/18/2022 14:19 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *24.1%* | *S* | *60-140* | | | | | *08/18/2022 14:19* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *83.5%* | | *60-140* | | | | | *08/18/2022 14:19* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *65.0%* | | *60-140* | | | | | *08/18/2022 14:19* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *134%* | | *60-140* | | | | | *08/18/2022 14:19* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *141%* | *S* | *60-140* | | | | | *08/18/2022 14:19* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *42.1%* | *S* | *60-140* | | | | | *08/18/2022 14:19* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00298 | U | mg/kg | 1 | 0.00298 | 0.0370 | BFI0219 | 09/09/2022 11:24 | TBB |
| EPA 200.8 | Arsenic | N | 2.83 | | mg/kg | 1 | 0.00456 | 0.0185 | BFI0219 | 09/09/2022 11:24 | TBB |
| EPA 200.8 | Beryllium | N | 0.000519 | J | mg/kg | 1 | 0.000370 | 0.00741 | BFI0219 | 09/09/2022 16:41 | TBB |
| EPA 200.8 | Cadmium | N | 0.0465 | | mg/kg | 1 | 0.00117 | 0.0370 | BFI0219 | 09/09/2022 11:24 | TBB |
| EPA 200.8 | Chromium | N | 0.0485 | J | mg/kg | 1 | 0.00272 | 0.111 | BFI0219 | 09/09/2022 11:24 | TBB |
| EPA 200.8 | Copper | N | 1.24 | V | mg/kg | 1 | 0.00322 | 0.0370 | BFI0219 | 09/09/2022 11:24 | TBB |
| SW-7471B | Mercury | A | <0.00465 | U | mg/kg | 1 | 0.00465 | 0.00930 | BFH2169 | 08/16/2022 19:03 | NAZ |
| EPA 200.8 | Lead | N | 0.0720 | | mg/kg | 1 | 0.00280 | 0.0185 | BFI0219 | 09/09/2022 11:24 | TBB |
| EPA 200.8 | Nickel | N | 0.198 | | mg/kg | 1 | 0.000656 | 0.0370 | BFI0219 | 09/09/2022 11:24 | TBB |
| EPA 200.8 | Selenium | N | 0.349 | | mg/kg | 1 | 0.0407 | 0.185 | BFI0219 | 09/09/2022 11:24 | TBB |
| EPA 200.8 | Silver | N | 0.0139 | J | mg/kg | 1 | 0.000263 | 0.0185 | BFI0219 | 09/09/2022 11:24 | TBB |
| EPA 200.8 | Thallium | N | 0.000519 | J | mg/kg | 1 | 0.000256 | 0.0185 | BFI0219 | 09/09/2022 11:24 | TBB |
| EPA 200.8 | Zinc | N | 26.6 | V | mg/kg | 5 | 0.0695 | 0.370 | BFI0219 | 09/09/2022 12:26 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.5 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-08-4
Lab Sample ID: 22F4240-37
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 6.99 | V | ug/kg | 1 | 2.46 | 2.46 | BFG3163 | 08/18/2022 15:28 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *21.0%* | *S* | *60-140* | | | | | *08/18/2022 15:28* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *72.8%* | | *60-140* | | | | | *08/18/2022 15:28* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *76.2%* | | *60-140* | | | | | *08/18/2022 15:28* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *112%* | | *60-140* | | | | | *08/18/2022 15:28* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *156%* | *S* | *60-140* | | | | | *08/18/2022 15:28* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *34.9%* | *S* | *60-140* | | | | | *08/18/2022 15:28* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00348 | J | mg/kg | 1 | 0.00322 | 0.0400 | BFI0219 | 09/09/2022 12:28 | TBB |
| EPA 200.8 | Arsenic | N | 2.78 | | mg/kg | 1 | 0.00492 | 0.0200 | BFI0219 | 09/09/2022 17:38 | TBB |
| EPA 200.8 | Beryllium | N | 0.00100 | J | mg/kg | 1 | 0.000400 | 0.00800 | BFI0219 | 09/09/2022 16:44 | TBB |
| EPA 200.8 | Cadmium | N | 0.0434 | | mg/kg | 1 | 0.00126 | 0.0400 | BFI0219 | 09/09/2022 12:28 | TBB |
| EPA 200.8 | Chromium | N | 0.0698 | J | mg/kg | 1 | 0.00294 | 0.120 | BFI0219 | 09/09/2022 12:28 | TBB |
| EPA 200.8 | Copper | N | 1.30 | V | mg/kg | 1 | 0.00348 | 0.0400 | BFI0219 | 09/09/2022 17:38 | TBB |
| SW-7471B | Mercury | A | <0.00451 | U | mg/kg | 1 | 0.00451 | 0.00902 | BFH2169 | 08/16/2022 19:07 | NAZ |
| EPA 200.8 | Lead | N | 0.0747 | | mg/kg | 1 | 0.00302 | 0.0200 | BFI0219 | 09/09/2022 12:28 | TBB |
| EPA 200.8 | Nickel | N | 0.213 | | mg/kg | 1 | 0.000708 | 0.0400 | BFI0219 | 09/09/2022 12:28 | TBB |
| EPA 200.8 | Selenium | N | 0.355 | | mg/kg | 1 | 0.0440 | 0.200 | BFI0219 | 09/09/2022 12:28 | TBB |
| EPA 200.8 | Silver | N | 0.0107 | J | mg/kg | 1 | 0.000284 | 0.0200 | BFI0219 | 09/09/2022 12:28 | TBB |
| EPA 200.8 | Thallium | N | 0.000800 | J | mg/kg | 1 | 0.000276 | 0.0200 | BFI0219 | 09/09/2022 12:28 | TBB |
| EPA 200.8 | Zinc | N | 9.49 | V | mg/kg | 1 | 0.0150 | 0.0800 | BFI0219 | 09/09/2022 12:28 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.7 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-08-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-37RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 31.6 | V | ug/kg | 1 | 2.46 | 2.46 | BFG3163 | 08/25/2022 08:57 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 128 | V | ug/kg | 1 | 4.91 | 4.91 | BFG3163 | 08/25/2022 08:57 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *13.5%* | *S* | *60-140* | | | | | *08/25/2022 08:57* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *68.7%* | | *60-140* | | | | | *08/25/2022 08:57* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *95.9%* | | *60-140* | | | | | *08/25/2022 08:57* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *139%* | | *60-140* | | | | | *08/25/2022 08:57* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *115%* | | *60-140* | | | | | *08/25/2022 08:57* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *50.0%* | *S* | *60-140* | | | | | *08/25/2022 08:57* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-08-5
Lab Sample ID: 22F4240-38
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.36 | B, U | ug/kg | 1 | 2.36 | 2.36 | BFG3163 | 08/18/2022 16:02 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 5.21 | V | ug/kg | 1 | 2.36 | 2.36 | BFG3163 | 08/18/2022 16:02 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *30.4%* | *S* | *60-140* | | | | | *08/18/2022 16:02* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *72.9%* | | *60-140* | | | | | *08/18/2022 16:02* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *85.0%* | | *60-140* | | | | | *08/18/2022 16:02* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *128%* | | *60-140* | | | | | *08/18/2022 16:02* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *144%* | *S* | *60-140* | | | | | *08/18/2022 16:02* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *40.7%* | *S* | *60-140* | | | | | *08/18/2022 16:02* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00325 | U | mg/kg | 1 | 0.00325 | 0.0403 | BFI0219 | 09/09/2022 11:29 | TBB |
| EPA 200.8 | Arsenic | N | 2.68 | | mg/kg | 1 | 0.00496 | 0.0202 | BFI0219 | 09/09/2022 11:29 | TBB |
| EPA 200.8 | Beryllium | N | 0.000685 | J | mg/kg | 1 | 0.000403 | 0.00806 | BFI0219 | 09/09/2022 16:46 | TBB |
| EPA 200.8 | Cadmium | N | 0.0433 | | mg/kg | 1 | 0.00127 | 0.0403 | BFI0219 | 09/09/2022 11:29 | TBB |
| EPA 200.8 | Chromium | N | 0.0693 | J | mg/kg | 1 | 0.00296 | 0.121 | BFI0219 | 09/09/2022 11:29 | TBB |
| EPA 200.8 | Copper | N | 1.24 | V | mg/kg | 1 | 0.00351 | 0.0403 | BFI0219 | 09/09/2022 11:29 | TBB |
| SW-7471B | Mercury | A | <0.00444 | U | mg/kg | 1 | 0.00444 | 0.00889 | BFH2169 | 08/16/2022 19:10 | NAZ |
| EPA 200.8 | Lead | N | 0.0740 | | mg/kg | 1 | 0.00304 | 0.0202 | BFI0219 | 09/09/2022 11:29 | TBB |
| EPA 200.8 | Nickel | N | 0.209 | | mg/kg | 1 | 0.000714 | 0.0403 | BFI0219 | 09/09/2022 11:29 | TBB |
| EPA 200.8 | Selenium | N | 0.352 | | mg/kg | 1 | 0.0444 | 0.202 | BFI0219 | 09/09/2022 11:29 | TBB |
| EPA 200.8 | Silver | N | 0.0123 | J | mg/kg | 1 | 0.000286 | 0.0202 | BFI0219 | 09/09/2022 11:29 | TBB |
| EPA 200.8 | Thallium | N | 0.000484 | J | mg/kg | 1 | 0.000278 | 0.0202 | BFI0219 | 09/09/2022 11:29 | TBB |
| EPA 200.8 | Zinc | N | 31.2 | V | mg/kg | 5 | 0.0757 | 0.403 | BFI0219 | 09/09/2022 12:31 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.0 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-08-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-38RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 151 | V | ug/kg | 1 | 4.72 | 4.72 | BFG3163 | 08/25/2022 09:32 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *16.4%* | *S* | *60-140* | | | | | *08/25/2022 09:32* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *65.0%* | | *60-140* | | | | | *08/25/2022 09:32* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *106%* | | *60-140* | | | | | *08/25/2022 09:32* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *161%* | *S* | *60-140* | | | | | *08/25/2022 09:32* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *151%* | *S* | *60-140* | | | | | *08/25/2022 09:32* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *54.1%* | *S* | *60-140* | | | | | *08/25/2022 09:32* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-09-1
Lab Sample ID: 22F4240-39
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.46 | B, U | ug/kg | 1 | 2.46 | 2.46 | BFG3163 | 08/18/2022 16:36 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 29.0 | V | ug/kg | 1 | 2.46 | 2.46 | BFG3163 | 08/18/2022 16:36 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *32.1%* | *S* | *60-140* | | | | | *08/18/2022 16:36* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *63.7%* | | *60-140* | | | | | *08/18/2022 16:36* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *101%* | | *60-140* | | | | | *08/18/2022 16:36* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *140%* | | *60-140* | | | | | *08/18/2022 16:36* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *128%* | | *60-140* | | | | | *08/18/2022 16:36* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *33.1%* | *S* | *60-140* | | | | | *08/18/2022 16:36* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00290 | U | mg/kg | 1 | 0.00290 | 0.0360 | BFI0219 | 09/09/2022 11:32 | TBB |
| EPA 200.8 | Arsenic | N | 2.65 | | mg/kg | 1 | 0.00442 | 0.0180 | BFI0219 | 09/09/2022 11:32 | TBB |
| EPA 200.8 | Beryllium | N | 0.000647 | J | mg/kg | 1 | 0.000360 | 0.00719 | BFI0219 | 09/09/2022 16:49 | TBB |
| EPA 200.8 | Cadmium | N | 0.0459 | | mg/kg | 1 | 0.00114 | 0.0360 | BFI0219 | 09/09/2022 11:32 | TBB |
| EPA 200.8 | Chromium | N | 0.0592 | J | mg/kg | 1 | 0.00264 | 0.108 | BFI0219 | 09/09/2022 11:32 | TBB |
| EPA 200.8 | Copper | N | 1.32 | V | mg/kg | 1 | 0.00313 | 0.0360 | BFI0219 | 09/09/2022 11:32 | TBB |
| SW-7471B | Mercury | A | <0.00444 | U | mg/kg | 1 | 0.00444 | 0.00889 | BFH2169 | 08/16/2022 19:20 | NAZ |
| EPA 200.8 | Lead | N | 0.0775 | | mg/kg | 1 | 0.00272 | 0.0180 | BFI0219 | 09/09/2022 11:32 | TBB |
| EPA 200.8 | Nickel | N | 0.272 | | mg/kg | 1 | 0.000637 | 0.0360 | BFI0219 | 09/09/2022 11:32 | TBB |
| EPA 200.8 | Selenium | N | 0.334 | | mg/kg | 1 | 0.0396 | 0.180 | BFI0219 | 09/09/2022 11:32 | TBB |
| EPA 200.8 | Silver | N | 0.0131 | J | mg/kg | 1 | 0.000255 | 0.0180 | BFI0219 | 09/09/2022 11:32 | TBB |
| EPA 200.8 | Thallium | N | 0.000504 | J | mg/kg | 1 | 0.000248 | 0.0180 | BFI0219 | 09/09/2022 11:32 | TBB |
| EPA 200.8 | Zinc | N | 22.8 | V | mg/kg | 5 | 0.0675 | 0.360 | BFI0219 | 09/09/2022 12:34 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.0 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-09-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-39RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 124 | V | ug/kg | 1 | 4.91 | 4.91 | BFG3163 | 08/25/2022 10:06 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *22.2%* | *S* | *60-140* | | | | | *08/25/2022 10:06* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *55.2%* | *S* | *60-140* | | | | | *08/25/2022 10:06* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *124%* | | *60-140* | | | | | *08/25/2022 10:06* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *190%* | *S* | *60-140* | | | | | *08/25/2022 10:06* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *189%* | *S* | *60-140* | | | | | *08/25/2022 10:06* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *42.0%* | *S* | *60-140* | | | | | *08/25/2022 10:06* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-09-2
Lab Sample ID: 22F4240-40
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.24 | B, U | ug/kg | 1 | 2.24 | 2.24 | BFG3163 | 08/18/2022 17:10 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 7.38 | V | ug/kg | 1 | 2.24 | 2.24 | BFG3163 | 08/18/2022 17:10 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *18.2%* | *S* | *60-140* | | | | | *08/18/2022 17:10* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *68.0%* | | *60-140* | | | | | *08/18/2022 17:10* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *63.9%* | | *60-140* | | | | | *08/18/2022 17:10* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *117%* | | *60-140* | | | | | *08/18/2022 17:10* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *107%* | | *60-140* | | | | | *08/18/2022 17:10* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *42.6%* | *S* | *60-140* | | | | | *08/18/2022 17:10* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00305 | U | mg/kg | 1 | 0.00305 | 0.0379 | BFI0219 | 09/09/2022 11:35 | TBB |
| EPA 200.8 | Arsenic | N | 2.95 | | mg/kg | 1 | 0.00466 | 0.0189 | BFI0219 | 09/09/2022 11:35 | TBB |
| EPA 200.8 | Beryllium | N | 0.000492 | J | mg/kg | 1 | 0.000379 | 0.00758 | BFI0219 | 09/09/2022 16:52 | TBB |
| EPA 200.8 | Cadmium | N | 0.0501 | | mg/kg | 1 | 0.00120 | 0.0379 | BFI0219 | 09/09/2022 11:35 | TBB |
| EPA 200.8 | Chromium | N | 0.0575 | J | mg/kg | 1 | 0.00278 | 0.114 | BFI0219 | 09/09/2022 11:35 | TBB |
| EPA 200.8 | Copper | N | 1.25 | V | mg/kg | 1 | 0.00330 | 0.0379 | BFI0219 | 09/09/2022 11:35 | TBB |
| SW-7471B | Mercury | A | <0.00448 | U | mg/kg | 1 | 0.00448 | 0.00896 | BFH2169 | 08/16/2022 19:23 | NAZ |
| EPA 200.8 | Lead | N | 0.0844 | | mg/kg | 1 | 0.00286 | 0.0189 | BFI0219 | 09/09/2022 11:35 | TBB |
| EPA 200.8 | Nickel | N | 0.289 | | mg/kg | 1 | 0.000670 | 0.0379 | BFI0219 | 09/09/2022 11:35 | TBB |
| EPA 200.8 | Selenium | N | 0.339 | | mg/kg | 1 | 0.0417 | 0.189 | BFI0219 | 09/09/2022 11:35 | TBB |
| EPA 200.8 | Silver | N | 0.0144 | J | mg/kg | 1 | 0.000269 | 0.0189 | BFI0219 | 09/09/2022 11:35 | TBB |
| EPA 200.8 | Thallium | N | 0.000644 | J | mg/kg | 1 | 0.000261 | 0.0189 | BFI0219 | 09/09/2022 11:35 | TBB |
| EPA 200.8 | Zinc | N | 63.3 | V | mg/kg | 10 | 0.142 | 0.758 | BFI0219 | 09/09/2022 12:37 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.7 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-09-2
Lab Sample ID: 22F4240-40RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 142 | V | ug/kg | 1 | 4.49 | 4.49 | BFG3163 | 08/25/2022 10:40 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *10.9%* | *S* | *60-140* | | | | | *08/25/2022 10:40* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *61.1%* | | *60-140* | | | | | *08/25/2022 10:40* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *74.4%* | | *60-140* | | | | | *08/25/2022 10:40* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *258%* | *S* | *60-140* | | | | | *08/25/2022 10:40* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *120%* | | *60-140* | | | | | *08/25/2022 10:40* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *47.0%* | *S* | *60-140* | | | | | *08/25/2022 10:40* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-09-3
Lab Sample ID: 22F4240-41
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.46 | B, U | ug/kg | 1 | 2.46 | 2.46 | BFG3163 | 08/18/2022 17:44 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 31.5 | V | ug/kg | 1 | 2.46 | 2.46 | BFG3163 | 08/18/2022 17:44 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *19.7%* | *S* | *60-140* | | | | | *08/18/2022 17:44* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *87.9%* | | *60-140* | | | | | *08/18/2022 17:44* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *75.9%* | | *60-140* | | | | | *08/18/2022 17:44* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *92.3%* | | *60-140* | | | | | *08/18/2022 17:44* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *159%* | *S* | *60-140* | | | | | *08/18/2022 17:44* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *46.8%* | *S* | *60-140* | | | | | *08/18/2022 17:44* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00276 | U | mg/kg | 1 | 0.00276 | 0.0342 | BFI0219 | 09/09/2022 11:53 | TBB |
| EPA 200.8 | Arsenic | N | 2.90 | | mg/kg | 1 | 0.00421 | 0.0171 | BFI0219 | 09/09/2022 17:13 | TBB |
| EPA 200.8 | Beryllium | N | 0.000753 | J | mg/kg | 1 | 0.000342 | 0.00685 | BFI0219 | 09/09/2022 17:13 | TBB |
| EPA 200.8 | Cadmium | N | 0.0488 | | mg/kg | 1 | 0.00108 | 0.0342 | BFI0219 | 09/09/2022 11:53 | TBB |
| EPA 200.8 | Chromium | N | 0.0702 | J | mg/kg | 1 | 0.00252 | 0.103 | BFI0219 | 09/09/2022 11:53 | TBB |
| EPA 200.8 | Copper | N | 1.29 | V | mg/kg | 1 | 0.00298 | 0.0342 | BFI0219 | 09/09/2022 11:53 | TBB |
| SW-7471B | Mercury | A | <0.00426 | U | mg/kg | 1 | 0.00426 | 0.00851 | BFH2169 | 08/16/2022 19:27 | NAZ |
| EPA 200.8 | Lead | N | 0.102 | | mg/kg | 1 | 0.00259 | 0.0171 | BFI0219 | 09/09/2022 11:53 | TBB |
| EPA 200.8 | Nickel | N | 0.279 | | mg/kg | 1 | 0.000606 | 0.0342 | BFI0219 | 09/09/2022 11:53 | TBB |
| EPA 200.8 | Selenium | N | 0.335 | | mg/kg | 1 | 0.0377 | 0.171 | BFI0219 | 09/09/2022 11:53 | TBB |
| EPA 200.8 | Silver | N | 0.0140 | J | mg/kg | 1 | 0.000243 | 0.0171 | BFI0219 | 09/09/2022 11:53 | TBB |
| EPA 200.8 | Thallium | N | 0.000616 | J | mg/kg | 1 | 0.000236 | 0.0171 | BFI0219 | 09/09/2022 11:53 | TBB |
| EPA 200.8 | Zinc | N | 77.8 | V | mg/kg | 10 | 0.129 | 0.685 | BFI0219 | 09/09/2022 12:42 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.6 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-09-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-41RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 151 | V | ug/kg | 1 | 4.92 | 4.92 | BFG3163 | 08/25/2022 11:15 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *20.7%* | *S* | *60-140* | | | | | *08/25/2022 11:15* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *62.2%* | | *60-140* | | | | | *08/25/2022 11:15* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *83.7%* | | *60-140* | | | | | *08/25/2022 11:15* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *231%* | *S* | *60-140* | | | | | *08/25/2022 11:15* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *173%* | *S* | *60-140* | | | | | *08/25/2022 11:15* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *43.1%* | *S* | *60-140* | | | | | *08/25/2022 11:15* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-09-4
Lab Sample ID: 22F4240-42
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.45 | B, U | ug/kg | 1 | 2.45 | 2.45 | BFG3163 | 08/18/2022 18:52 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 20.1 | V | ug/kg | 1 | 2.45 | 2.45 | BFG3163 | 08/18/2022 18:52 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *6.35%* | *S* | *60-140* | | | | | *08/18/2022 18:52* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *72.0%* | | *60-140* | | | | | *08/18/2022 18:52* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *37.1%* | *S* | *60-140* | | | | | *08/18/2022 18:52* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *61.3%* | | *60-140* | | | | | *08/18/2022 18:52* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *167%* | *S* | *60-140* | | | | | *08/18/2022 18:52* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *56.5%* | *S* | *60-140* | | | | | *08/18/2022 18:52* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00283 | U | mg/kg | 1 | 0.00283 | 0.0352 | BFI0219 | 09/09/2022 11:56 | TBB |
| EPA 200.8 | Arsenic | N | 2.84 | | mg/kg | 1 | 0.00433 | 0.0176 | BFI0219 | 09/09/2022 17:19 | TBB |
| EPA 200.8 | Beryllium | N | 0.000775 | J | mg/kg | 1 | 0.000352 | 0.00704 | BFI0219 | 09/09/2022 17:19 | TBB |
| EPA 200.8 | Cadmium | N | 0.0475 | | mg/kg | 1 | 0.00111 | 0.0352 | BFI0219 | 09/09/2022 11:56 | TBB |
| EPA 200.8 | Chromium | N | 0.0565 | J | mg/kg | 1 | 0.00259 | 0.106 | BFI0219 | 09/09/2022 11:56 | TBB |
| EPA 200.8 | Copper | N | 1.33 | V | mg/kg | 1 | 0.00306 | 0.0352 | BFI0219 | 09/09/2022 11:56 | TBB |
| SW-7471B | Mercury | A | <0.00465 | U | mg/kg | 1 | 0.00465 | 0.00930 | BFH2169 | 08/16/2022 19:30 | NAZ |
| EPA 200.8 | Lead | N | 0.0949 | | mg/kg | 1 | 0.00266 | 0.0176 | BFI0219 | 09/09/2022 11:56 | TBB |
| EPA 200.8 | Nickel | N | 0.279 | | mg/kg | 1 | 0.000623 | 0.0352 | BFI0219 | 09/09/2022 11:56 | TBB |
| EPA 200.8 | Selenium | N | 0.324 | | mg/kg | 1 | 0.0387 | 0.176 | BFI0219 | 09/09/2022 11:56 | TBB |
| EPA 200.8 | Silver | N | 0.0145 | J | mg/kg | 1 | 0.000250 | 0.0176 | BFI0219 | 09/09/2022 11:56 | TBB |
| EPA 200.8 | Thallium | N | 0.000493 | J | mg/kg | 1 | 0.000243 | 0.0176 | BFI0219 | 09/09/2022 11:56 | TBB |
| EPA 200.8 | Zinc | N | 26.4 | V | mg/kg | 5 | 0.0661 | 0.352 | BFI0219 | 09/09/2022 12:45 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.4 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-09-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-42RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 205V | | ug/kg | 2 | 9.80 | 9.80 | BFG3163 | 08/25/2022 11:49 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *4.39%* | *S* | *60-140* | | | | | *08/25/2022 11:49* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *62.6%* | | *60-140* | | | | | *08/25/2022 11:49* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *65.9%* | | *60-140* | | | | | *08/25/2022 11:49* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *255%* | *S* | *60-140* | | | | | *08/25/2022 11:49* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *119%* | | *60-140* | | | | | *08/25/2022 11:49* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *71.5%* | | *60-140* | | | | | *08/25/2022 11:49* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-09-5
Lab Sample ID: 22F4240-43
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.39 | B, U | ug/kg | 1 | 2.39 | 2.39 | BFG3163 | 08/18/2022 19:27 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 41.8 | V | ug/kg | 1 | 2.39 | 2.39 | BFG3163 | 08/18/2022 19:27 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *13.3%* | *S* | *60-140* | | | | | *08/18/2022 19:27* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *51.8%* | *S* | *60-140* | | | | | *08/18/2022 19:27* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *52.4%* | *S* | *60-140* | | | | | *08/18/2022 19:27* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *61.6%* | | *60-140* | | | | | *08/18/2022 19:27* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *101%* | | *60-140* | | | | | *08/18/2022 19:27* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *65.3%* | | *60-140* | | | | | *08/18/2022 19:27* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00307 | U | mg/kg | 1 | 0.00307 | 0.0382 | BFI0219 | 09/09/2022 12:58 | TBB |
| EPA 200.8 | Arsenic | N | 2.38 | | mg/kg | 2 | 0.00939 | 0.0382 | BFI0219 | 09/09/2022 17:27 | TBB |
| EPA 200.8 | Beryllium | N | 0.000382 | J | mg/kg | 1 | 0.000382 | 0.00763 | BFI0219 | 09/09/2022 17:24 | TBB |
| EPA 200.8 | Cadmium | N | 0.0484 | | mg/kg | 1 | 0.00121 | 0.0382 | BFI0219 | 09/09/2022 12:58 | TBB |
| EPA 200.8 | Chromium | N | 0.0564 | J | mg/kg | 1 | 0.00281 | 0.115 | BFI0219 | 09/09/2022 12:58 | TBB |
| EPA 200.8 | Copper | N | 1.33 | V | mg/kg | 2 | 0.00664 | 0.0763 | BFI0219 | 09/09/2022 17:27 | TBB |
| SW-7471B | Mercury | A | <0.00455 | U | mg/kg | 1 | 0.00455 | 0.00909 | BFH2169 | 08/16/2022 19:33 | NAZ |
| EPA 200.8 | Lead | N | 0.0984 | | mg/kg | 1 | 0.00288 | 0.0191 | BFI0219 | 09/09/2022 12:58 | TBB |
| EPA 200.8 | Nickel | N | 0.274 | | mg/kg | 1 | 0.000676 | 0.0382 | BFI0219 | 09/09/2022 12:58 | TBB |
| EPA 200.8 | Selenium | N | 0.304 | | mg/kg | 1 | 0.0420 | 0.191 | BFI0219 | 09/09/2022 12:58 | TBB |
| EPA 200.8 | Silver | N | 0.0153 | J | mg/kg | 1 | 0.000271 | 0.0191 | BFI0219 | 09/09/2022 12:58 | TBB |
| EPA 200.8 | Thallium | N | 0.000878 | J | mg/kg | 1 | 0.000263 | 0.0191 | BFI0219 | 09/09/2022 12:58 | TBB |
| EPA 200.8 | Zinc | N | 33.3 | V | mg/kg | 5 | 0.0717 | 0.382 | BFI0219 | 09/09/2022 12:56 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.6 | | % | 1 | 0.100 | 0.100 | BFG0345 | 07/06/2022 11:30 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-09-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-43RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 139 | V | ug/kg | 1 | 4.78 | 4.78 | BFG3163 | 08/25/2022 12:23 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *8.58%* | *S* | *60-140* | | | | | *08/25/2022 12:23* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *58.2%* | *S* | *60-140* | | | | | *08/25/2022 12:23* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *98.2%* | | *60-140* | | | | | *08/25/2022 12:23* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *276%* | *S* | *60-140* | | | | | *08/25/2022 12:23* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *148%* | *S* | *60-140* | | | | | *08/25/2022 12:23* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *47.6%* | *S* | *60-140* | | | | | *08/25/2022 12:23* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

# Sample Results

**(Continued)**

Client Sample ID: NV-CDP-PRETEST-1
Lab Sample ID: 22F4240-44
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Acenaphthylene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Anthracene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.38U | ug/kg | 1 | 4.38 | 4.38 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.19B, U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Chrysene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 3.62 | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Fluoranthene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Fluorene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Naphthalene | A | 2.19 | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Phenanthrene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| SW-8270 | Pyrene | A | <2.19U | ug/kg | 1 | 2.19 | 2.19 | BFG3159 | 08/25/2022 06:10 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *71.1%* | *60-140* | | | | | *08/25/2022 06:10* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *83.4%* | *60-140* | | | | | *08/25/2022 06:10* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *89.7%* | *60-140* | | | | | *08/25/2022 06:10* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *87.4%* | *60-140* | | | | | *08/25/2022 06:10* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *116%* | *60-140* | | | | | *08/25/2022 06:10* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *21.6% S* | *60-140* | | | | | *08/25/2022 06:10* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0358U | mg/kg | 1 | 0.0358 | 0.444 | BFH1125 | 08/17/2022 14:08 | TBB |
| EPA 200.8 | Arsenic | N | 3.43 | mg/kg | 2 | 0.109 | 0.444 | BFH1125 | 08/17/2022 15:02 | TBB |
| EPA 200.8 | Beryllium | N | <0.00444U | mg/kg | 1 | 0.00444 | 0.0889 | BFH1125 | 08/17/2022 14:08 | TBB |
| EPA 200.8 | Cadmium | N | 0.0446J | mg/kg | 1 | 0.0140 | 0.444 | BFH1125 | 08/17/2022 14:08 | TBB |
| EPA 200.8 | Chromium | N | 0.145J | mg/kg | 1 | 0.0327 | 1.33 | BFH1125 | 08/17/2022 14:08 | TBB |
| EPA 200.8 | Copper | N | 1.88 | mg/kg | 1 | 0.0387 | 0.444 | BFH1125 | 08/17/2022 14:08 | TBB |
| SW-7471B | Mercury | A | 0.00519 J | mg/kg | 1 | 0.00426 | 0.00851 | BFH0643 | 08/04/2022 18:02 | EM |
| EPA 200.8 | Lead | N | 0.106J | mg/kg | 1 | 0.0336 | 0.222 | BFH1125 | 08/17/2022 14:08 | TBB |
| EPA 200.8 | Nickel | N | 0.198J | mg/kg | 1 | 0.00787 | 0.444 | BFH1125 | 08/17/2022 14:08 | TBB |
| EPA 200.8 | Selenium | N | <0.489U | mg/kg | 1 | 0.489 | 2.22 | BFH1125 | 08/25/2022 12:56 | TBB |
| EPA 200.8 | Silver | N | 0.0370J | mg/kg | 1 | 0.00316 | 0.222 | BFH1125 | 08/17/2022 14:08 | TBB |
| EPA 200.8 | Thallium | N | <0.00307U | mg/kg | 1 | 0.00307 | 0.222 | BFH1125 | 08/17/2022 14:08 | TBB |
| EPA 200.8 | Zinc | N | 89.8 | mg/kg | 10 | 1.67 | 8.89 | BFH1125 | 08/23/2022 11:50 | TBB |
| **General Chemistry** | | | | | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-PRETEST-1 (Continued) | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-44 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.4 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-PRETEST-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-44RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 57.8 | V | ug/kg | 5 | 21.9 | 21.9 | BFG3159 | 08/26/2022 00:52 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *77.7%* | | *60-140* | | | | | *08/26/2022 00:52* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *111%* | | *60-140* | | | | | *08/26/2022 00:52* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *105%* | | *60-140* | | | | | *08/26/2022 00:52* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *104%* | *S* | *60-140* | | | | | *08/26/2022 00:52* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *167%* | *S* | *60-140* | | | | | *08/26/2022 00:52* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *84.0%* | | *60-140* | | | | | *08/26/2022 00:52* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-2
Lab Sample ID: 22F4240-45
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | 5.14 | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Acenaphthylene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Anthracene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.41U | ug/kg | 1 | 4.41 | 4.41 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.20B, U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Chrysene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 23.8 | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Fluoranthene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Fluorene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Naphthalene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Phenanthrene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| SW-8270 | Pyrene | A | <2.20U | ug/kg | 1 | 2.20 | 2.20 | BFG3159 | 08/25/2022 07:19 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *58.8% S* | *60-140* | | | | | *08/25/2022 07:19* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *109%* | *60-140* | | | | | *08/25/2022 07:19* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *135%* | *60-140* | | | | | *08/25/2022 07:19* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *138%* | *60-140* | | | | | *08/25/2022 07:19* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *121%* | *60-140* | | | | | *08/25/2022 07:19* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *23.7% S* | *60-140* | | | | | *08/25/2022 07:19* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0363U | mg/kg | 1 | 0.0363 | 0.451 | BFH1125 | 08/17/2022 14:10 | TBB |
| EPA 200.8 | Arsenic | N | 3.69 | mg/kg | 1 | 0.0555 | 0.226 | BFH1125 | 08/17/2022 14:10 | TBB |
| EPA 200.8 | Beryllium | N | <0.00451U | mg/kg | 1 | 0.00451 | 0.0902 | BFH1125 | 08/17/2022 14:10 | TBB |
| EPA 200.8 | Cadmium | N | 0.0468J | mg/kg | 1 | 0.0143 | 0.451 | BFH1125 | 08/17/2022 14:10 | TBB |
| EPA 200.8 | Chromium | N | 0.117J | mg/kg | 1 | 0.0332 | 1.35 | BFH1125 | 08/17/2022 14:10 | TBB |
| EPA 200.8 | Copper | N | 1.82 | mg/kg | 1 | 0.0392 | 0.451 | BFH1125 | 08/17/2022 14:10 | TBB |
| SW-7471B | Mercury | A | <0.00444 U | mg/kg | 1 | 0.00444 | 0.00889 | BFH0643 | 08/04/2022 18:05 | EM |
| EPA 200.8 | Lead | N | 0.0947J | mg/kg | 1 | 0.0341 | 0.226 | BFH1125 | 08/17/2022 14:10 | TBB |
| EPA 200.8 | Nickel | N | 0.194J | mg/kg | 1 | 0.00798 | 0.451 | BFH1125 | 08/17/2022 14:10 | TBB |
| EPA 200.8 | Selenium | N | <0.496U | mg/kg | 1 | 0.496 | 2.26 | BFH1125 | 08/25/2022 12:58 | TBB |
| EPA 200.8 | Silver | N | 0.0318J | mg/kg | 1 | 0.00320 | 0.226 | BFH1125 | 08/17/2022 14:10 | TBB |
| EPA 200.8 | Thallium | N | <0.00311U | mg/kg | 1 | 0.00311 | 0.226 | BFH1125 | 08/17/2022 14:10 | TBB |
| EPA 200.8 | Zinc | N | 10.8 | mg/kg | 1 | 0.169 | 0.902 | BFH1125 | 08/23/2022 11:23 | TBB |
| **General Chemistry** | | | | | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-2 (Continued)
Lab Sample ID: 22F4240-45
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 15.2 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-PRETEST-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-45RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 118 | V | ug/kg | 10 | 44.1 | 44.1 | BFG3159 | 08/26/2022 01:27 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *72.8%* | | *60-140* | | | | | *08/26/2022 01:27* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *111%* | | *60-140* | | | | | *08/26/2022 01:27* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *113%* | | *60-140* | | | | | *08/26/2022 01:27* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *118%* | *S* | *60-140* | | | | | *08/26/2022 01:27* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *232%* | *S* | *60-140* | | | | | *08/26/2022 01:27* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *140%* | | *60-140* | | | | | *08/26/2022 01:27* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

# Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-PRETEST-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-46 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Acenaphthylene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Anthracene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <4.36U | ug/kg | 1 | 4.36 | 4.36 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.18B, U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Chrysene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 31.2 | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Fluoranthene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Fluorene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Naphthalene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Phenanthrene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| SW-8270 | Pyrene | A | <2.18U | ug/kg | 1 | 2.18 | 2.18 | BFG3159 | 08/25/2022 07:54 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *69.4%* | *60-140* | | | | | *08/25/2022 07:54* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *76.3%* | *60-140* | | | | | *08/25/2022 07:54* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *89.5%* | *60-140* | | | | | *08/25/2022 07:54* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *91.3%* | *60-140* | | | | | *08/25/2022 07:54* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *120%* | *60-140* | | | | | *08/25/2022 07:54* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *21.5% S* | *60-140* | | | | | *08/25/2022 07:54* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0355U | mg/kg | 1 | 0.0355 | 0.441 | BFH2042 | 08/22/2022 15:17 | TBB |
| EPA 200.8 | Arsenic | N | 2.95 | mg/kg | 1 | 0.0543 | 0.221 | BFH2042 | 08/17/2022 18:30 | TBB |
| EPA 200.8 | Beryllium | N | <0.00441U | mg/kg | 1 | 0.00441 | 0.0882 | BFH2042 | 08/22/2022 15:17 | TBB |
| EPA 200.8 | Cadmium | N | 0.0351J | mg/kg | 1 | 0.0139 | 0.441 | BFH2042 | 08/17/2022 18:30 | TBB |
| EPA 200.8 | Chromium | N | 0.103J | mg/kg | 1 | 0.0324 | 1.32 | BFH2042 | 08/17/2022 18:30 | TBB |
| EPA 200.8 | Copper | N | 1.41 | mg/kg | 1 | 0.0384 | 0.441 | BFH2042 | 08/17/2022 18:30 | TBB |
| SW-7471B | Mercury | A | 0.00512 J | mg/kg | 1 | 0.00451 | 0.00902 | BFH0643 | 08/04/2022 17:25 | EM |
| EPA 200.8 | Lead | N | 0.0921J | mg/kg | 1 | 0.0333 | 0.221 | BFH2042 | 08/22/2022 15:17 | TBB |
| EPA 200.8 | Nickel | N | 0.161J | mg/kg | 1 | 0.00781 | 0.441 | BFH2042 | 08/17/2022 18:30 | TBB |
| EPA 200.8 | Selenium | N | <0.485U | mg/kg | 1 | 0.485 | 2.21 | BFH2042 | 08/23/2022 19:45 | TBB |
| EPA 200.8 | Silver | N | 0.0292J | mg/kg | 1 | 0.00313 | 0.221 | BFH2042 | 08/22/2022 15:17 | TBB |
| EPA 200.8 | Thallium | N | <0.00304U | mg/kg | 1 | 0.00304 | 0.221 | BFH2042 | 08/17/2022 18:30 | TBB |
| EPA 200.8 | Zinc | N | 10.9 | mg/kg | 1 | 0.166 | 0.882 | BFH2042 | 08/22/2022 18:32 | TBB |
| **General Chemistry** | | | | | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-3 (Continued)
Lab Sample ID: 22F4240-46
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.4 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-PRETEST-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4240-46RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 56.8 | V | ug/kg | 5 | 21.8 | 21.8 | BFG3159 | 08/26/2022 02:02 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *70.7%* | | *60-140* | | | | | *08/26/2022 02:02* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *101%* | | *60-140* | | | | | *08/26/2022 02:02* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *102%* | | *60-140* | | | | | *08/26/2022 02:02* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *104%* | *S* | *60-140* | | | | | *08/26/2022 02:02* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *160%* | *S* | *60-140* | | | | | *08/26/2022 02:02* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *68.8%* | | *60-140* | | | | | *08/26/2022 02:02* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

# Quality Control

## Semivolatile Organic Compounds by GCMS

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG3159 - SW-3570*** | | | | | | | | | | |
| **Blank (BFG3159-BLK1)** | | | | Prepared: 7/25/2022 Analyzed: 8/24/2022 | | | | | | |
| Acenaphthene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Acenaphthylene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Anthracene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Benzo(a)anthracene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Benzo(a)pyrene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| benzo(b&k)fluoranthene | <4.61 | U | 4.61 | ug/kg | | | | | | |
| Benzo(g,h,i)perylene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Bis(2-ethylhexyl )phthalate | 54.2 | | 2.31 | ug/kg | | | | | | |
| Chrysene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Dibenzo(a,h)anthracene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Di-n-butyl phthalate | 18.7 | | 2.31 | ug/kg | | | | | | |
| Fluoranthene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Fluorene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Indeno(1,2,3-cd) pyrene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Naphthalene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Phenanthrene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| Phenol, Total | 38.9 | | 4.61 | ug/kg | | | | | | |
| Pyrene | <2.31 | U | 2.31 | ug/kg | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *25.6* | *ug/kg* | *73.8* | | *34.6* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *21.7* | *ug/kg* | *36.9* | | *58.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *43.2* | *ug/kg* | *73.8* | | *58.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *28.8* | *ug/kg* | *36.9* | | *77.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *65.7* | *ug/kg* | *73.8* | | *89.0* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *7.41* | *ug/kg* | *36.9* | | *20.1* | *60-140* | | |
| **Blank (BFG3159-BLK2)** | | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | | |
| Di-n-butyl phthalate | 12.5 | | 4.61 | ug/kg | | | | | | |
| Phenol, Total | 41.5 | | 9.23 | ug/kg | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *19.1* | *ug/kg* | *73.8* | | *25.8* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *17.9* | *ug/kg* | *36.9* | | *48.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *40.9* | *ug/kg* | *73.8* | | *55.4* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *22.1* | *ug/kg* | *36.9* | | *59.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *59.6* | *ug/kg* | *73.8* | | *80.7* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *14.4* | *ug/kg* | *36.9* | | *38.9* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG3159 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BS SV (BFG3159-BS1)** | | | | | Prepared: 7/25/2022 Analyzed: 8/24/2022 | | | | | |
| Acenaphthene | 25.2 | | 2.43 | ug/kg | 38.8 | | 65.0 | 60-140 | | |
| Acenaphthylene | 26.8 | | 2.43 | ug/kg | 38.8 | | 69.1 | 60-140 | | |
| Anthracene | 23.5 | | 2.43 | ug/kg | 38.8 | | 60.5 | 60-140 | | |
| Benzo(a)anthracene | 13.2 | J1 | 2.43 | ug/kg | 38.8 | | 33.9 | 60-140 | | |
| Benzo(a)pyrene | 21.2 | J1 | 2.43 | ug/kg | 38.8 | | 54.6 | 60-140 | | |
| benzo(b&k)fluoranthene | 40.7 | J1 | 4.85 | ug/kg | 77.7 | | 52.4 | 60-140 | | |
| Benzo(g,h,i)perylene | 18.5 | J1 | 2.43 | ug/kg | 38.8 | | 47.7 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 49.5 | | 2.43 | ug/kg | 38.8 | | 128 | 60-140 | | |
| Chrysene | 14.4 | J1 | 2.43 | ug/kg | 38.8 | | 37.1 | 60-140 | | |
| Dibenzo(a,h)anthracene | 19.4 | J1 | 2.43 | ug/kg | 38.8 | | 49.9 | 60-140 | | |
| Di-n-butyl phthalate | 73.3 | J1, L | 2.43 | ug/kg | 38.8 | | 189 | 60-140 | | |
| Fluoranthene | 11.7 | J1 | 2.43 | ug/kg | 38.8 | | 30.2 | 60-140 | | |
| Fluorene | 20.8 | J1 | 2.43 | ug/kg | 38.8 | | 53.5 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 19.9 | J1 | 2.43 | ug/kg | 38.8 | | 51.2 | 60-140 | | |
| Naphthalene | 29.5 | | 2.43 | ug/kg | 38.8 | | 75.9 | 60-140 | | |
| Phenanthrene | 23.9 | | 2.43 | ug/kg | 38.8 | | 61.6 | 60-140 | | |
| Phenol, Total | 106 | L | 4.85 | ug/kg | 77.7 | | 136 | 60-140 | | |
| Pyrene | 13.7 | J1 | 2.43 | ug/kg | 38.8 | | 35.3 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *31.7* | *ug/kg* | *77.7* | | *40.8* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *25.4* | *ug/kg* | *38.8* | | *65.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *53.2* | *ug/kg* | *77.7* | | *68.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *29.9* | *ug/kg* | *38.8* | | *76.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *76.8* | *ug/kg* | *77.7* | | *98.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *8.13* | *ug/kg* | *38.8* | | *20.9* | *60-140* | | |
| **LCS (BFG3159-BS2)** | | | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | |
| Di-n-butyl phthalate | 47.7 | | 4.85 | ug/kg | 38.8 | | 123 | 60-140 | | |
| Phenol, Total | 76.1 | | 9.71 | ug/kg | 77.7 | | 98.0 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *19.2* | *ug/kg* | *77.7* | | *24.7* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *17.7* | *ug/kg* | *38.8* | | *45.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *36.7* | *ug/kg* | *77.7* | | *47.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *19.1* | *ug/kg* | *38.8* | | *49.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *52.3* | *ug/kg* | *77.7* | | *67.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *12.5* | *ug/kg* | *38.8* | | *32.1* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG3159 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD SV (BFG3159-BSD1)** | | | | | Prepared: 7/25/2022 Analyzed: 8/24/2022 | | | | | |
| Acenaphthene | 26.0 | | 2.31 | ug/kg | 37.0 | | 70.3 | 60-140 | 2.90 | 40 |
| Acenaphthylene | 28.3 | | 2.31 | ug/kg | 37.0 | | 76.7 | 60-140 | 5.54 | 40 |
| Anthracene | 23.6 | | 2.31 | ug/kg | 37.0 | | 63.8 | 60-140 | 0.405 | 40 |
| Benzo(a)anthracene | 11.0 | J1 | 2.31 | ug/kg | 37.0 | | 29.9 | 60-140 | 17.6 | 40 |
| Benzo(a)pyrene | 20.0 | J1 | 2.31 | ug/kg | 37.0 | | 54.0 | 60-140 | 6.11 | 40 |
| benzo(b&k)fluoranthene | 38.1 | J1 | 4.62 | ug/kg | 73.9 | | 51.6 | 60-140 | 6.48 | 40 |
| Benzo(g,h,i)perylene | 18.8 | J1 | 2.31 | ug/kg | 37.0 | | 50.9 | 60-140 | 1.52 | 40 |
| Bis(2-ethylhexyl )phthalate | 49.7 | | 2.31 | ug/kg | 37.0 | | 134 | 60-140 | 0.272 | 40 |
| Chrysene | 13.2 | J1 | 2.31 | ug/kg | 37.0 | | 35.7 | 60-140 | 9.01 | 40 |
| Dibenzo(a,h)anthracene | 17.8 | J1 | 2.31 | ug/kg | 37.0 | | 48.2 | 60-140 | 8.37 | 40 |
| Di-n-butyl phthalate | 65.3 | J1, L | 2.31 | ug/kg | 37.0 | | 177 | 60-140 | 11.6 | 40 |
| Fluoranthene | 9.62 | J1 | 2.31 | ug/kg | 37.0 | | 26.0 | 60-140 | 19.6 | 40 |
| Fluorene | 21.4 | J1 | 2.31 | ug/kg | 37.0 | | 58.0 | 60-140 | 3.13 | 40 |
| Indeno(1,2,3-cd) pyrene | 18.5 | J1 | 2.31 | ug/kg | 37.0 | | 50.0 | 60-140 | 7.33 | 40 |
| Naphthalene | 30.7 | | 2.31 | ug/kg | 37.0 | | 83.0 | 60-140 | 4.03 | 40 |
| Phenanthrene | 24.1 | | 2.31 | ug/kg | 37.0 | | 65.2 | 60-140 | 0.686 | 40 |
| Phenol, Total | 108 | J1, L | 4.62 | ug/kg | 73.9 | | 146 | 60-140 | 1.71 | 40 |
| Pyrene | 10.6 | J1 | 2.31 | ug/kg | 37.0 | | 28.7 | 60-140 | 25.5 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *29.7* | *ug/kg* | *73.9* | | *40.2* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *23.1* | *ug/kg* | *37.0* | | *62.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *54.5* | *ug/kg* | *73.9* | | *73.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *30.4* | *ug/kg* | *37.0* | | *82.2* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *74.4* | *ug/kg* | *73.9* | | *101* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *9.19* | *ug/kg* | *37.0* | | *24.9* | *60-140* | | |
| **LCS Dup (BFG3159-BSD2)** | | | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | |
| Di-n-butyl phthalate | 51.3 | | 4.62 | ug/kg | 37.0 | | 139 | 60-140 | 7.27 | 40 |
| Phenol, Total | 91.8 | | 9.24 | ug/kg | 73.9 | | 124 | 60-140 | 18.6 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *21.4* | *ug/kg* | *73.9* | | *28.9* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *19.8* | *ug/kg* | *37.0* | | *53.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *44.5* | *ug/kg* | *73.9* | | *60.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *24.2* | *ug/kg* | *37.0* | | *65.5* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *67.3* | *ug/kg* | *73.9* | | *91.1* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *14.0* | *ug/kg* | *37.0* | | *37.7* | *60-140* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG3159 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFG3159-MRL1)** | | | | | Prepared: 7/25/2022 Analyzed: 8/24/2022 | | | | | |
| Acenaphthene | 3.03 | | 2.35 | ug/kg | 3.76 | | 80.5 | 50-150 | | |
| Acenaphthylene | 3.09 | | 2.35 | ug/kg | 3.76 | | 82.3 | 50-150 | | |
| Anthracene | 2.74 | | 2.35 | ug/kg | 3.76 | | 73.0 | 50-150 | | |
| Benzo(a)anthracene | <2.35 | J1, U | 2.35 | ug/kg | 3.76 | | | 50-150 | | |
| Benzo(a)pyrene | 2.78 | | 2.35 | ug/kg | 3.76 | | 73.8 | 50-150 | | |
| benzo(b&k)fluoranthene | 4.95 | | 4.70 | ug/kg | 7.52 | | 65.8 | 50-150 | | |
| Benzo(g,h,i)perylene | <2.35 | J1, U | 2.35 | ug/kg | 3.76 | | | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 40.8 | J1 | 2.35 | ug/kg | 3.76 | | NR | 50-150 | | |
| Chrysene | <2.35 | J1, U | 2.35 | ug/kg | 3.76 | | | 50-150 | | |
| Dibenzo(a,h)anthracene | <2.35 | J1, U | 2.35 | ug/kg | 3.76 | | | 50-150 | | |
| Di-n-butyl phthalate | 57.3 | J1 | 2.35 | ug/kg | 3.76 | | NR | 50-150 | | |
| Fluoranthene | <2.35 | J1, U | 2.35 | ug/kg | 3.76 | | | 50-150 | | |
| Fluorene | 2.63 | | 2.35 | ug/kg | 3.76 | | 70.1 | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | 2.36 | | 2.35 | ug/kg | 3.76 | | 62.7 | 50-150 | | |
| Naphthalene | 4.79 | | 2.35 | ug/kg | 3.76 | | 127 | 50-150 | | |
| Phenanthrene | <2.35 | J1, U | 2.35 | ug/kg | 3.76 | | | 50-150 | | |
| Phenol, Total | 36.3 | J1 | 4.70 | ug/kg | 7.52 | | 482 | 50-150 | | |
| Pyrene | <2.35 | J1, U | 2.35 | ug/kg | 3.76 | | | 50-150 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *24.1* | *ug/kg* | *75.2* | | *32.0* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *20.6* | *ug/kg* | *37.6* | | *54.7* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *52.2* | *ug/kg* | *75.2* | | *69.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *30.4* | *ug/kg* | *37.6* | | *80.7* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *69.4* | *ug/kg* | *75.2* | | *92.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *6.09* | *ug/kg* | *37.6* | | *16.2* | *60-140* | | |
| **MRL Check (BFG3159-MRL2)** | | | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | |
| Di-n-butyl phthalate | 42.4 | | 4.70 | ug/kg | 3.76 | | NR | | | |
| Phenol, Total | 32.5 | J1 | 9.40 | ug/kg | 7.52 | | 432 | 50-150 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *17.6* | *ug/kg* | *75.2* | | *23.4* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *17.7* | *ug/kg* | *37.6* | | *47.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *41.9* | *ug/kg* | *75.2* | | *55.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *24.0* | *ug/kg* | *37.6* | | *63.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *58.9* | *ug/kg* | *75.2* | | *78.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *12.6* | *ug/kg* | *37.6* | | *33.6* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG3159 - SW-3570 (Continued)*** | | | | | | | | | | |
| **22F4240-01 MS (BFG3159-MS1)** | | **Source: 22F4240-01** | | | Prepared: 7/25/2022 Analyzed: 8/24/2022 | | | | | |
| Acenaphthene | 29.5 | | 2.39 | ug/kg | 38.3 | <2.39 | 76.9 | 60-140 | | |
| Acenaphthylene | 33.1 | | 2.39 | ug/kg | 38.3 | <2.39 | 86.3 | 60-140 | | |
| Anthracene | 26.6 | | 2.39 | ug/kg | 38.3 | <2.39 | 69.5 | 60-140 | | |
| Benzo(a)anthracene | 5.60 | J1 | 2.39 | ug/kg | 38.3 | <2.39 | 14.6 | 60-140 | | |
| Benzo(a)pyrene | 14.9 | J1 | 2.39 | ug/kg | 38.3 | <2.39 | 38.8 | 60-140 | | |
| benzo(b&k)fluoranthene | 29.3 | J1 | 4.79 | ug/kg | 76.6 | <4.79 | 38.2 | 60-140 | | |
| Benzo(g,h,i)perylene | 17.5 | J1 | 2.39 | ug/kg | 38.3 | <2.39 | 45.7 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 5.42 | J1 | 2.39 | ug/kg | 38.3 | <2.39 | 14.1 | 60-140 | | |
| Chrysene | 11.6 | J1 | 2.39 | ug/kg | 38.3 | <2.39 | 30.3 | 60-140 | | |
| Dibenzo(a,h)anthracene | 15.6 | J1 | 2.39 | ug/kg | 38.3 | <2.39 | 40.8 | 60-140 | | |
| Di-n-butyl phthalate | 18.5 | J1 | 2.39 | ug/kg | 38.3 | 2.47 | 41.8 | 60-140 | | |
| Fluoranthene | 7.24 | J1 | 2.39 | ug/kg | 38.3 | <2.39 | 18.9 | 60-140 | | |
| Fluorene | 24.7 | | 2.39 | ug/kg | 38.3 | <2.39 | 64.5 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 16.1 | J1 | 2.39 | ug/kg | 38.3 | <2.39 | 42.0 | 60-140 | | |
| Naphthalene | 32.9 | | 2.39 | ug/kg | 38.3 | <2.39 | 86.0 | 60-140 | | |
| Phenanthrene | 27.2 | | 2.39 | ug/kg | 38.3 | <2.39 | 70.9 | 60-140 | | |
| Phenol, Total | 100 | L | 4.79 | ug/kg | 76.6 | 27.9 | 94.7 | 60-140 | | |
| Pyrene | 9.05 | J1 | 2.39 | ug/kg | 38.3 | <2.39 | 23.6 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *51.7* | *ug/kg* | *76.6* | | *67.5* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *28.8* | *ug/kg* | *38.3* | | *75.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *58.9* | *ug/kg* | *76.6* | | *76.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *32.1* | *ug/kg* | *38.3* | | *83.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *80.7* | *ug/kg* | *76.6* | | *105* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *7.67* | *ug/kg* | *38.3* | | *20.0* | *60-140* | | |
| **Matrix Spike (BFG3159-MS2)** | | **Source: 22F4240-01RE1** | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | |
| Di-n-butyl phthalate | 15.0 | J1 | 4.79 | ug/kg | 38.3 | <4.79 | 39.1 | 60-140 | | |
| Phenol, Total | 76.5 | | 9.58 | ug/kg | 76.6 | 20.2 | 73.4 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *34.4* | *ug/kg* | *76.6* | | *44.9* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *22.8* | *ug/kg* | *38.3* | | *59.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *44.3* | *ug/kg* | *76.6* | | *57.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *21.8* | *ug/kg* | *38.3* | | *57.0* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *61.2* | *ug/kg* | *76.6* | | *79.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *13.0* | *ug/kg* | *38.3* | | *34.0* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG3159 - SW-3570 (Continued)*** | | | | | | | | | | |
| **22F4240-01 MSD (BFG3159-MSD1)** | | **Source: 22F4240-01** | | | Prepared: 7/25/2022 Analyzed: 8/24/2022 | | | | | |
| Acenaphthene | 27.6 | | 2.43 | ug/kg | 38.8 | <2.43 | 71.1 | 60-140 | 6.49 | 40 |
| Acenaphthylene | 32.5 | | 2.43 | ug/kg | 38.8 | <2.43 | 83.7 | 60-140 | 1.76 | 40 |
| Anthracene | 27.4 | | 2.43 | ug/kg | 38.8 | <2.43 | 70.6 | 60-140 | 2.88 | 40 |
| Benzo(a)anthracene | 7.53 | J1 | 2.43 | ug/kg | 38.8 | <2.43 | 19.4 | 60-140 | 29.3 | 40 |
| Benzo(a)pyrene | 16.1 | J1 | 2.43 | ug/kg | 38.8 | <2.43 | 41.3 | 60-140 | 7.67 | 40 |
| benzo(b&k)fluoranthene | 31.9 | J1 | 4.85 | ug/kg | 77.7 | <4.85 | 41.0 | 60-140 | 8.59 | 40 |
| Benzo(g,h,i)perylene | 17.4 | J1 | 2.43 | ug/kg | 38.8 | <2.43 | 44.8 | 60-140 | 0.685 | 40 |
| Bis(2-ethylhexyl )phthalate | 6.51 | J1 | 2.43 | ug/kg | 38.8 | <2.43 | 16.8 | 60-140 | 18.3 | 40 |
| Chrysene | 12.2 | J1 | 2.43 | ug/kg | 38.8 | <2.43 | 31.4 | 60-140 | 4.90 | 40 |
| Dibenzo(a,h)anthracene | 16.1 | J1 | 2.43 | ug/kg | 38.8 | <2.43 | 41.5 | 60-140 | 3.11 | 40 |
| Di-n-butyl phthalate | 20.9 | J1 | 2.43 | ug/kg | 38.8 | 2.47 | 47.6 | 60-140 | 12.4 | 40 |
| Fluoranthene | 8.44 | J1 | 2.43 | ug/kg | 38.8 | <2.43 | 21.7 | 60-140 | 15.3 | 40 |
| Fluorene | 24.5 | | 2.43 | ug/kg | 38.8 | <2.43 | 63.1 | 60-140 | 0.791 | 40 |
| Indeno(1,2,3-cd) pyrene | 16.2 | J1 | 2.43 | ug/kg | 38.8 | <2.43 | 41.6 | 60-140 | 0.333 | 40 |
| Naphthalene | 31.6 | | 2.43 | ug/kg | 38.8 | <2.43 | 81.2 | 60-140 | 4.30 | 40 |
| Phenanthrene | 27.6 | | 2.43 | ug/kg | 38.8 | <2.43 | 71.0 | 60-140 | 1.50 | 40 |
| Phenol, Total | 97.0 | | 4.85 | ug/kg | 77.7 | 27.9 | 88.9 | 60-140 | 3.54 | 40 |
| Pyrene | 9.70 | J1 | 2.43 | ug/kg | 38.8 | <2.43 | 25.0 | 60-140 | 6.93 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *54.3* | *ug/kg* | *77.7* | | *69.9* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *31.8* | *ug/kg* | *38.8* | | *82.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *59.2* | *ug/kg* | *77.7* | | *76.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *30.8* | *ug/kg* | *38.8* | | *79.3* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *77.6* | *ug/kg* | *77.7* | | *99.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *8.94* | *ug/kg* | *38.8* | | *23.0* | *60-140* | | |
| **Matrix Spike Dup (BFG3159-MSD2)** | | **Source: 22F4240-01RE1** | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | |
| Di-n-butyl phthalate | 14.6 | J1 | 4.85 | ug/kg | 38.8 | <4.85 | 37.5 | 60-140 | 2.78 | 40 |
| Phenol, Total | 76.8 | | 9.71 | ug/kg | 77.7 | 20.2 | 72.9 | 60-140 | 0.480 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *31.2* | *ug/kg* | *77.7* | | *40.2* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *19.4* | *ug/kg* | *38.8* | | *49.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *44.3* | *ug/kg* | *77.7* | | *57.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *21.8* | *ug/kg* | *38.8* | | *56.0* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *61.9* | *ug/kg* | *77.7* | | *79.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *13.4* | *ug/kg* | *38.8* | | *34.6* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG3163 - SW-3570*** | | | | | | | | | | |
| **Blank (BFG3163-BLK1)** | | | | Prepared: 7/25/2022 Analyzed: 8/18/2022 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 103 | L | 2.50 | ug/kg | | | | | | |
| Di-n-butyl phthalate | 8.12 | | 2.50 | ug/kg | | | | | | |
| Phenol, Total | 57.9 | | 4.99 | ug/kg | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *6.11* | *ug/kg* | *79.8* | | *7.65* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *22.6* | *ug/kg* | *39.9* | | *56.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *44.3* | *ug/kg* | *79.8* | | *55.4* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *42.5* | *ug/kg* | *39.9* | | *106* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *79.4* | *ug/kg* | *79.8* | | *99.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *20.2* | *ug/kg* | *39.9* | | *50.5* | *60-140* | | |
| **Blank (BFG3163-BLK2)** | | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 104 | | 12.5 | ug/kg | | | | | | |
| Di-n-butyl phthalate | <12.5 | U | 12.5 | ug/kg | | | | | | |
| Phenol, Total | 57.3 | | 25.0 | ug/kg | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *4.66* | *ug/kg* | *79.8* | | *5.83* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *20.8* | *ug/kg* | *39.9* | | *52.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *47.3* | *ug/kg* | *79.8* | | *59.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *54.1* | *ug/kg* | *39.9* | | *135* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *87.5* | *ug/kg* | *79.8* | | *110* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *18.6* | *ug/kg* | *39.9* | | *46.5* | *60-140* | | |
| **BS SV (BFG3163-BS1)** | | | | Prepared: 7/25/2022 Analyzed: 8/18/2022 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 110 | J1, L | 2.42 | ug/kg | 38.8 | | 283 | 60-140 | | |
| Di-n-butyl phthalate | 29.5 | | 2.42 | ug/kg | 38.8 | | 76.1 | 60-140 | | |
| Phenol, Total | 143 | J1, L | 4.84 | ug/kg | 77.5 | | 184 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *5.83* | *ug/kg* | *77.5* | | *7.52* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *22.0* | *ug/kg* | *38.8* | | *56.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *47.5* | *ug/kg* | *77.5* | | *61.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *41.7* | *ug/kg* | *38.8* | | *108* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *98.2* | *ug/kg* | *77.5* | | *127* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *20.6* | *ug/kg* | *38.8* | | *53.2* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG3163 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BFG3163-BS2)** | | | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | |
| Bis(2-ethylhexyl )phthalate | 129 | J1 | 12.1 | ug/kg | 38.8 | | 332 | 60-140 | | |
| Di-n-butyl phthalate | 25.7 | | 12.1 | ug/kg | 38.8 | | 66.3 | 60-140 | | |
| Phenol, Total | 135 | J1 | 24.2 | ug/kg | 77.5 | | 175 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | *S* | | *5.29* | *ug/kg* | *77.5* | | *6.82* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *24.3* | *ug/kg* | *38.8* | | *62.7* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | *S* | | *43.7* | *ug/kg* | *77.5* | | *56.4* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | *S* | | *78.0* | *ug/kg* | *38.8* | | *201* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *81.9* | *ug/kg* | *77.5* | | *106* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | *S* | | *18.4* | *ug/kg* | *38.8* | | *47.4* | *60-140* | | |
| **BSD SV (BFG3163-BSD1)** | | | | | Prepared: 7/25/2022 Analyzed: 8/18/2022 | | | | | |
| Bis(2-ethylhexyl )phthalate | 116 | J1, L | 2.50 | ug/kg | 39.9 | | 292 | 60-140 | 5.89 | 40 |
| Di-n-butyl phthalate | 26.2 | | 2.50 | ug/kg | 39.9 | | 65.7 | 60-140 | 11.6 | 40 |
| Phenol, Total | 139 | J1, L | 4.99 | ug/kg | 79.8 | | 174 | 60-140 | 2.42 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | *S* | | *8.74* | *ug/kg* | *79.8* | | *11.0* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *24.4* | *ug/kg* | *39.9* | | *61.2* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *55.3* | *ug/kg* | *79.8* | | *69.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *42.1* | *ug/kg* | *39.9* | | *105* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *102* | *ug/kg* | *79.8* | | *128* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *24.2* | *ug/kg* | *39.9* | | *60.6* | *60-140* | | |
| **LCS Dup (BFG3163-BSD2)** | | | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | |
| Bis(2-ethylhexyl )phthalate | 135 | J1 | 12.5 | ug/kg | 39.9 | | 337 | 60-140 | 4.65 | 40 |
| Di-n-butyl phthalate | 23.9 | J1 | 12.5 | ug/kg | 39.9 | | 59.9 | 60-140 | 7.25 | 40 |
| Phenol, Total | 147 | J1 | 25.0 | ug/kg | 79.8 | | 183 | 60-140 | 7.84 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | *S* | | *3.64* | *ug/kg* | *79.8* | | *4.56* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *24.7* | *ug/kg* | *39.9* | | *61.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | *S* | | *46.5* | *ug/kg* | *79.8* | | *58.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | *S* | | *91.7* | *ug/kg* | *39.9* | | *230* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *103* | *ug/kg* | *79.8* | | *129* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | *S* | | *23.0* | *ug/kg* | *39.9* | | *57.7* | *60-140* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG3163 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFG3163-MRL1)** | | | | | Prepared: 7/25/2022 Analyzed: 8/18/2022 | | | | | |
| Bis(2-ethylhexyl )phthalate | 98.3 | J1, L | 2.39 | ug/kg | 3.83 | | NR | 0-200 | | |
| Di-n-butyl phthalate | 46.0 | J1 | 2.39 | ug/kg | 3.83 | | NR | 0-200 | | |
| Phenol, Total | 59.3 | J1 | 4.79 | ug/kg | 7.66 | | 774 | 0-200 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *15.4* | *ug/kg* | *76.6* | | *20.1* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *25.1* | *ug/kg* | *38.3* | | *65.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *58.0* | *ug/kg* | *76.6* | | *75.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *45.9* | *ug/kg* | *38.3* | | *120* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *93.9* | *ug/kg* | *76.6* | | *123* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *19.7* | *ug/kg* | *38.3* | | *51.5* | *60-140* | | |
| **MRL Check (BFG3163-MRL2)** | | | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | |
| Bis(2-ethylhexyl )phthalate | 111 | J1 | 12.0 | ug/kg | 3.83 | | NR | 50-150 | | |
| Di-n-butyl phthalate | 37.0 | J1 | 12.0 | ug/kg | 3.83 | | 965 | 50-150 | | |
| Phenol, Total | 70.3 | J1 | 23.9 | ug/kg | 7.66 | | 917 | 50-150 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *10.2* | *ug/kg* | *76.6* | | *13.4* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *25.1* | *ug/kg* | *38.3* | | *65.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *56.4* | *ug/kg* | *76.6* | | *73.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *56.9* | *ug/kg* | *38.3* | | *148* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *104* | *ug/kg* | *76.6* | | *136* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *22.1* | *ug/kg* | *38.3* | | *57.6* | *60-140* | | |
| **22F4240-11 MS (BFG3163-MS1)** | | **Source: 22F4240-11** | | | Prepared: 7/25/2022 Analyzed: 8/18/2022 | | | | | |
| Bis(2-ethylhexyl )phthalate | 24.7 | J1 | 2.20 | ug/kg | 35.3 | 4.04 | 58.6 | 60-140 | | |
| Di-n-butyl phthalate | 27.7 | J1 | 2.20 | ug/kg | 35.3 | 22.9 | 13.6 | 60-140 | | |
| Phenol, Total | 131 | L | 4.41 | ug/kg | 70.5 | 61.0 | 99.5 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *5.06* | *ug/kg* | *70.5* | | *7.17* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *25.0* | *ug/kg* | *35.3* | | *71.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *40.0* | *ug/kg* | *70.5* | | *56.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *29.8* | *ug/kg* | *35.3* | | *84.5* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *84.4* | *ug/kg* | *70.5* | | *120* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *23.2* | *ug/kg* | *35.3* | | *65.9* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG3163 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFG3163-MS2)** | | **Source: 22F4240-11RE1** | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | |
| Bis(2-ethylhexyl )phthalate | 22.3 | | 4.41 | ug/kg | 35.3 | <4.41 | 63.1 | 60-140 | | |
| Di-n-butyl phthalate | 27.1 | J1 | 4.41 | ug/kg | 35.3 | 19.4 | 21.8 | 60-140 | | |
| Phenol, Total | 134 | | 8.82 | ug/kg | 70.5 | 64.4 | 98.2 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *2.40* | *ug/kg* | *70.5* | | *3.40* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *28.0* | *ug/kg* | *35.3* | | *79.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *51.0* | *ug/kg* | *70.5* | | *72.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *46.3* | *ug/kg* | *35.3* | | *131* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *72.2* | *ug/kg* | *70.5* | | *102* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *24.3* | *ug/kg* | *35.3* | | *69.0* | *60-140* | | |
| **22F4240-11 MSD (BFG3163-MSD1)** | | **Source: 22F4240-11** | | | Prepared: 7/25/2022 Analyzed: 8/18/2022 | | | | | |
| Bis(2-ethylhexyl )phthalate | 37.9 | J1 | 2.38 | ug/kg | 38.0 | 4.04 | 89.1 | 60-140 | 42.2 | 40 |
| Di-n-butyl phthalate | 9.55 | J1 | 2.38 | ug/kg | 38.0 | 22.9 | NR | 60-140 | 97.5 | 40 |
| Phenol, Total | 76.8 | J1 | 4.75 | ug/kg | 76.0 | 61.0 | 20.8 | 60-140 | 52.3 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *4.99* | *ug/kg* | *76.0* | | *6.57* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *32.5* | *ug/kg* | *38.0* | | *85.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *43.7* | *ug/kg* | *76.0* | | *57.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *34.6* | *ug/kg* | *38.0* | | *91.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *87.4* | *ug/kg* | *76.0* | | *115* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *34.8* | *ug/kg* | *38.0* | | *91.6* | *60-140* | | |
| **Matrix Spike Dup (BFG3163-MSD2)** | | **Source: 22F4240-11RE1** | | | Prepared: 7/25/2022 Analyzed: 8/25/2022 | | | | | |
| Bis(2-ethylhexyl )phthalate | 19.7 | J1 | 2.38 | ug/kg | 38.0 | 3.04 | 43.7 | 60-140 | 12.4 | 40 |
| Di-n-butyl phthalate | 51.3 | J1 | 2.38 | ug/kg | 38.0 | 19.4 | 83.8 | 60-140 | 61.7 | 40 |
| Phenol, Total | 157 | | 4.75 | ug/kg | 76.0 | 64.4 | 122 | 60-140 | 16.2 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *3.18* | *ug/kg* | *76.0* | | *4.18* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *27.9* | *ug/kg* | *38.0* | | *73.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *58.0* | *ug/kg* | *76.0* | | *76.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *43.8* | *ug/kg* | *38.0* | | *115* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *87.1* | *ug/kg* | *76.0* | | *114* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *24.8* | *ug/kg* | *38.0* | | *65.2* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Metals, Total

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2911 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFG2911-MRL1)** | | | | | Prepared & Analyzed: 7/22/2022 | | | | | |
| Mercury | 0.00357 | J | 0.0183 | mg/kg | 0.00916 | | 39.0 | | | |
| **Matrix Spike (BFG2911-MS1)** | | **Source: 22F4225-23** | | | Prepared & Analyzed: 7/22/2022 | | | | | |
| Mercury | <0.00833 | J1, U | 0.00833 | mg/kg | 0.104 | <0.00833 | | 80-120 | | |
| **Matrix Spike (BFG2911-MS2)** | | **Source: 22F4225-25** | | | Prepared & Analyzed: 7/22/2022 | | | | | |
| Mercury | 0.105 | | 0.0101 | mg/kg | 0.126 | <0.0101 | 83.6 | 80-120 | | |
| **Matrix Spike Dup (BFG2911-MSD1)** | | **Source: 22F4225-23** | | | Prepared & Analyzed: 7/22/2022 | | | | | |
| Mercury | 0.191 | J1 | 0.0105 | mg/kg | 0.132 | <0.0105 | 146 | 80-120 | 200 | 20 |
| **Matrix Spike Dup (BFG2911-MSD2)** | | **Source: 22F4225-25** | | | Prepared & Analyzed: 7/22/2022 | | | | | |
| Mercury | 0.103 | | 0.00984 | mg/kg | 0.123 | <0.00984 | 83.9 | 80-120 | 2.06 | 20 |
| ***Batch: BFH0643 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFH0643-MRL1)** | | | | | Prepared & Analyzed: 8/4/2022 | | | | | |
| Mercury | 0.0159 | J | 0.0183 | mg/kg | 0.00916 | | 174 | | | |
| **Matrix Spike (BFH0643-MS1)** | | **Source: 22F4225-29** | | | Prepared & Analyzed: 8/4/2022 | | | | | |
| Mercury | 0.107 | | 0.00789 | mg/kg | 0.0987 | <0.00789 | 109 | 80-120 | | |
| **Matrix Spike (BFH0643-MS2)** | | **Source: 22F4225-48** | | | Prepared & Analyzed: 8/4/2022 | | | | | |
| Mercury | 0.118 | | 0.00968 | mg/kg | 0.121 | <0.00968 | 97.8 | 80-120 | | |
| **Matrix Spike Dup (BFH0643-MSD1)** | | **Source: 22F4225-29** | | | Prepared & Analyzed: 8/4/2022 | | | | | |
| Mercury | 0.115 | | 0.00889 | mg/kg | 0.111 | <0.00889 | 103 | 80-120 | 6.59 | 20 |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH0643 - SW-7471 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFH0643-MSD2)** | **Source: 22F4225-48** | | | | Prepared & Analyzed: 8/4/2022 | | | | | |
| Mercury | 0.132 | | 0.0101 | mg/kg | 0.126 | <0.0101 | 105 | 80-120 | 11.3 | 20 |
| ***Batch: BFH1125 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BFH1125-BLK1)** | | | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Antimony | <1.45 | U | 1.45 | mg/kg | | | | | | |
| Arsenic | <0.725 | U | 0.725 | mg/kg | | | | | | |
| Cadmium | <1.45 | U | 1.45 | mg/kg | | | | | | |
| Chromium | <4.35 | U | 4.35 | mg/kg | | | | | | |
| Copper | 0.157 | J | 1.45 | mg/kg | | | | | | |
| Lead | <0.725 | U | 0.725 | mg/kg | | | | | | |
| Nickel | 0.0310 | J | 1.45 | mg/kg | | | | | | |
| Silver | <0.725 | U | 0.725 | mg/kg | | | | | | |
| Thallium | <0.725 | U | 0.725 | mg/kg | | | | | | |
| Zinc | <2.90 | U | 2.90 | mg/kg | | | | | | |
| **Blank (BFH1125-BLK2)** | | | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | |
| Beryllium | <0.290 | U | 0.290 | mg/kg | | | | | | |
| **Blank (BFH1125-BLK3)** | | | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | <7.25 | U | 7.25 | mg/kg | | | | | | |
| **LCS (BFH1125-BS1)** | | | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Antimony | 13.3 | | 1.45 | mg/kg | 12.1 | | 110 | 85-115 | | |
| Arsenic | 6.33 | | 0.725 | mg/kg | 6.04 | | 105 | 85-115 | | |
| Cadmium | 13.4 | | 1.45 | mg/kg | 12.1 | | 111 | 85-115 | | |
| Chromium | 36.8 | | 4.35 | mg/kg | 36.2 | | 101 | 85-115 | | |
| Copper | 12.9 | | 1.45 | mg/kg | 12.1 | | 107 | 85-115 | | |
| Lead | 6.24 | | 0.725 | mg/kg | 6.04 | | 103 | 85-115 | | |
| Nickel | 12.2 | | 1.45 | mg/kg | 12.1 | | 101 | 85-115 | | |
| Silver | 6.58 | | 0.725 | mg/kg | 6.04 | | 109 | 85-115 | | |
| Thallium | 6.25 | | 0.725 | mg/kg | 6.04 | | 104 | 85-115 | | |
| Zinc | 25.5 | | 2.90 | mg/kg | 24.2 | | 106 | 85-115 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1125 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **LCS (BFH1125-BS2)** | | | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | |
| Beryllium | 2.61 | | 0.290 | mg/kg | 2.42 | | 108 | 85-115 | | |
| **LCS (BFH1125-BS3)** | | | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 27.7 | | 7.25 | mg/kg | 24.2 | | 115 | 85-115 | | |
| **Duplicate (BFH1125-DUP1)** | | **Source: 22F4225-25** | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Antimony | <0.417 | U | 0.417 | mg/kg | | <0.417 | | | | 20 |
| Arsenic | 1.23 | | 0.208 | mg/kg | | 1.18 | | | 4.16 | 20 |
| Cadmium | 0.0619 | J | 0.417 | mg/kg | | 0.0642 | | | 3.65 | 20 |
| Chromium | 0.0314 | J | 1.25 | mg/kg | | <1.25 | | | 200 | 20 |
| Copper | 1.71 | | 0.417 | mg/kg | | 1.72 | | | 0.537 | 20 |
| Lead | 0.0566 | J | 0.208 | mg/kg | | 0.0589 | | | 4.04 | 20 |
| Nickel | 0.425 | | 0.417 | mg/kg | | 0.379 | | | 11.5 | 20 |
| Silver | 0.0226 | J | 0.208 | mg/kg | | 0.0211 | | | 7.03 | 20 |
| Thallium | <0.208 | U | 0.208 | mg/kg | | <0.208 | | | | 20 |
| **Duplicate (BFH1125-DUP2)** | | **Source: 22F4225-27** | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | |
| Antimony | <0.488 | U | 0.488 | mg/kg | | <0.488 | | | | 20 |
| Arsenic | 1.18 | | 0.244 | mg/kg | | 1.06 | | | 10.2 | 20 |
| Beryllium | <0.0976 | U | 0.0976 | mg/kg | | <0.0976 | | | | 20 |
| Cadmium | 0.0589 | J | 0.488 | mg/kg | | 0.0525 | | | 11.4 | 20 |
| Chromium | 0.0424 | J | 1.46 | mg/kg | | 0.0525 | | | 21.3 | 20 |
| Copper | 1.70 | | 0.488 | mg/kg | | 1.58 | | | 7.44 | 20 |
| Lead | 0.0595 | J | 0.244 | mg/kg | | 0.0535 | | | 10.6 | 20 |
| Nickel | 0.371 | J | 0.488 | mg/kg | | 0.350 | | | 6.08 | 20 |
| Silver | 0.0226 | J | 0.244 | mg/kg | | 0.0218 | | | 3.64 | 20 |
| Thallium | <0.244 | U | 0.244 | mg/kg | | <0.244 | | | | 20 |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1125 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BFH1125-DUP3)** | | **Source: 22F4225-25** | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | |
| Beryllium | <0.0833 | U | 0.0833 | mg/kg | | <0.0833 | | | | 20 |
| **Duplicate (BFH1125-DUP4)** | | **Source: 22F4225-25** | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | <2.08 | U | 2.08 | mg/kg | | <2.08 | | | | 20 |
| Zinc | 13.9 | | 1.67 | mg/kg | | 13.7 | | | 2.03 | 20 |
| **Duplicate (BFH1125-DUP5)** | | **Source: 22F4225-27** | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | <2.44 | U | 2.44 | mg/kg | | <2.44 | | | | 20 |
| Zinc | 12.2 | | 0.976 | mg/kg | | 11.6 | | | 5.09 | 20 |
| **MDL Check (BFH1125-MRL1)** | | | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Cadmium | 0.0260 | J | 1.55 | mg/kg | 0.0130 | | 201 | | | |
| Nickel | 0.0323 | J | 1.55 | mg/kg | 0.0130 | | 249 | | | |
| **MDL Check (BFH1125-MRL2)** | | | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Antimony | 5.49 | | 1.10 | mg/kg | 4.58 | | 120 | | | |
| Arsenic | 0.529 | J | 0.549 | mg/kg | 0.458 | | 116 | | | |
| Chromium | 1.72 | J | 3.30 | mg/kg | 1.37 | | 125 | | | |
| Copper | 1.20 | | 1.10 | mg/kg | 0.916 | | 131 | | | |
| Lead | 0.494 | J | 0.549 | mg/kg | 0.458 | | 108 | | | |
| Silver | 0.284 | J | 0.549 | mg/kg | 0.229 | | 124 | | | |
| Thallium | 0.251 | J | 0.549 | mg/kg | 0.229 | | 110 | | | |
| Zinc | 10.5 | | 2.20 | mg/kg | 9.16 | | 114 | | | |
| **MDL Check (BFH1125-MRL4)** | | | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | |
| Beryllium | 0.0952 | J | 0.220 | mg/kg | 0.0916 | | 104 | | | |
| **MDL Check (BFH1125-MRL6)** | | | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 9.67 | | 5.49 | mg/kg | 9.16 | | 106 | 70-130 | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1125 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH1125-MS1)** | | **Source: 22F4225-25** | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Antimony | 3.75 | | 0.359 | mg/kg | 2.99 | <0.359 | 125 | 75-125 | | |
| Cadmium | 3.69 | | 0.359 | mg/kg | 2.99 | 0.0642 | 121 | 75-125 | | |
| Chromium | 10.8 | | 1.08 | mg/kg | 8.98 | 0.0283 | 120 | 75-125 | | |
| Copper | 4.69 | | 0.359 | mg/kg | 2.99 | 1.72 | 99.1 | 75-125 | | |
| Lead | 1.64 | | 0.180 | mg/kg | 1.50 | 0.0589 | 106 | 75-125 | | |
| Nickel | 3.74 | | 0.359 | mg/kg | 2.99 | 0.379 | 112 | 75-125 | | |
| Silver | 1.66 | | 0.180 | mg/kg | 1.50 | 0.0211 | 110 | 75-125 | | |
| Thallium | 1.65 | | 0.180 | mg/kg | 1.50 | <0.180 | 110 | 75-125 | | |
| **Matrix Spike (BFH1125-MS2)** | | **Source: 22F4225-27** | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | |
| Antimony | 3.92 | | 0.390 | mg/kg | 3.25 | <0.390 | 121 | 75-125 | | |
| Arsenic | 3.21 | J1 | 0.390 | mg/kg | 1.62 | 1.06 | 132 | 75-125 | | |
| Beryllium | 0.855 | J1 | 0.0779 | mg/kg | 0.649 | <0.0779 | 132 | 75-125 | | |
| Cadmium | 3.98 | | 0.390 | mg/kg | 3.25 | 0.0525 | 121 | 75-125 | | |
| Chromium | 11.7 | | 1.17 | mg/kg | 9.74 | 0.0525 | 119 | 75-125 | | |
| Copper | 5.19 | | 0.390 | mg/kg | 3.25 | 1.58 | 111 | 75-125 | | |
| Lead | 1.78 | | 0.195 | mg/kg | 1.62 | 0.0535 | 106 | 75-125 | | |
| Nickel | 4.09 | | 0.390 | mg/kg | 3.25 | 0.350 | 115 | 75-125 | | |
| Silver | 1.84 | | 0.195 | mg/kg | 1.62 | 0.0218 | 112 | 75-125 | | |
| Thallium | 1.79 | | 0.195 | mg/kg | 1.62 | <0.195 | 111 | 75-125 | | |
| **Matrix Spike (BFH1125-MS3)** | | **Source: 22F4225-25** | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 2.84 | | 0.359 | mg/kg | 1.50 | 1.18 | 111 | 75-125 | | |
| Beryllium | 0.715 | | 0.0719 | mg/kg | 0.599 | 0.00394 | 119 | 75-125 | | |
| **Matrix Spike (BFH1125-MS4)** | | **Source: 22F4225-25** | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 8.72 | J1 | 1.80 | mg/kg | 5.99 | <1.80 | 146 | 75-125 | | |
| Zinc | 17.9 | J1 | 1.44 | mg/kg | 5.99 | 13.7 | 70.3 | 75-125 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1125 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH1125-MS5)** | | **Source: 22F4225-27** | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 9.65 | J1 | 1.95 | mg/kg | 6.49 | <1.95 | 149 | 75-125 | | |
| Zinc | 19.6 | | 1.56 | mg/kg | 6.49 | 11.6 | 123 | 75-125 | | |
| ***Batch: BFH1159 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFH1159-MRL1)** | | | | | Prepared & Analyzed: 8/9/2022 | | | | | |
| Mercury | 0.00856 | J | 0.0183 | mg/kg | 0.00916 | | 93.5 | | | |
| **Matrix Spike (BFH1159-MS1)** | | **Source: 22F4225-44** | | | Prepared & Analyzed: 8/9/2022 | | | | | |
| Mercury | 0.122 | | 0.0103 | mg/kg | 0.128 | <0.0103 | 95.3 | 80-120 | | |
| **Matrix Spike (BFH1159-MS2)** | | **Source: 22F4240-08** | | | Prepared & Analyzed: 8/9/2022 | | | | | |
| Mercury | 0.0941 | | 0.00736 | mg/kg | 0.0920 | <0.00736 | 102 | 80-120 | | |
| **Matrix Spike Dup (BFH1159-MSD1)** | | **Source: 22F4225-44** | | | Prepared & Analyzed: 8/9/2022 | | | | | |
| Mercury | 0.132 | | 0.0109 | mg/kg | 0.136 | <0.0109 | 96.6 | 80-120 | 7.50 | 20 |
| **Matrix Spike Dup (BFH1159-MSD2)** | | **Source: 22F4240-08** | | | Prepared & Analyzed: 8/9/2022 | | | | | |
| Mercury | 0.104 | | 0.00833 | mg/kg | 0.104 | <0.00833 | 100 | 80-120 | 10.2 | 20 |
| ***Batch: BFH2042 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BFH2042-BLK1)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | <0.605 | U | 0.605 | mg/kg | | | | | | |
| Cadmium | <1.21 | U | 1.21 | mg/kg | | | | | | |
| Chromium | <3.63 | U | 3.63 | mg/kg | | | | | | |
| Copper | <1.21 | U | 1.21 | mg/kg | | | | | | |
| Nickel | <1.21 | U | 1.21 | mg/kg | | | | | | |
| Thallium | <0.605 | U | 0.605 | mg/kg | | | | | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2042 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Blank (BFH2042-BLK2)** | | | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Antimony | <1.21 | U | 1.21 | mg/kg | | | | | | |
| Beryllium | <0.242 | U | 0.242 | mg/kg | | | | | | |
| Lead | <0.605 | U | 0.605 | mg/kg | | | | | | |
| Silver | <0.605 | U | 0.605 | mg/kg | | | | | | |
| Zinc | <2.42 | U | 2.42 | mg/kg | | | | | | |
| **Blank (BFH2042-BLK3)** | | | | | Prepared: 8/15/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | <6.05 | U | 6.05 | mg/kg | | | | | | |
| **LCS (BFH2042-BS1)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 5.37 | | 0.586 | mg/kg | 4.88 | | 110 | 85-115 | | |
| Cadmium | 9.42 | | 1.17 | mg/kg | 9.77 | | 96.4 | 85-115 | | |
| Chromium | 30.1 | | 3.52 | mg/kg | 29.3 | | 103 | 85-115 | | |
| Copper | 9.35 | | 1.17 | mg/kg | 9.77 | | 95.7 | 85-115 | | |
| Nickel | 9.28 | | 1.17 | mg/kg | 9.77 | | 95.0 | 85-115 | | |
| Thallium | 4.71 | | 0.586 | mg/kg | 4.88 | | 96.5 | 85-115 | | |
| **LCS (BFH2042-BS2)** | | | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Antimony | 11.2 | | 1.17 | mg/kg | 9.77 | | 114 | 85-115 | | |
| Beryllium | 2.13 | | 0.234 | mg/kg | 1.95 | | 109 | 85-115 | | |
| Lead | 5.29 | | 0.586 | mg/kg | 4.88 | | 108 | 85-115 | | |
| Silver | 4.33 | | 0.586 | mg/kg | 4.88 | | 88.7 | 85-115 | | |
| Zinc | 22.1 | | 2.34 | mg/kg | 19.5 | | 113 | 85-115 | | |
| **LCS (BFH2042-BS3)** | | | | | Prepared: 8/15/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 22.1 | | 5.86 | mg/kg | 19.5 | | 113 | 85-115 | | |
| **Duplicate (BFH2042-DUP1)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 0.949 | | 0.239 | mg/kg | | 0.985 | | | 3.76 | 20 |
| Cadmium | 0.0545 | J | 0.478 | mg/kg | | 0.0578 | | | 5.72 | 20 |
| Chromium | <1.44 | U | 1.44 | mg/kg | | 0.0372 | | | 200 | 20 |
| Copper | 1.24 | | 0.478 | mg/kg | | 1.31 | | | 5.44 | 20 |
| Nickel | 0.338 | J | 0.478 | mg/kg | | 0.361 | | | 6.60 | 20 |
| Thallium | <0.239 | U | 0.239 | mg/kg | | <0.239 | | | | 20 |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2042 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BFH2042-DUP2)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Antimony | <0.478 | U | 0.478 | mg/kg | | <0.478 | | | | 20 |
| Beryllium | <0.0957 | U | 0.0957 | mg/kg | | <0.0957 | | | | 20 |
| Lead | 0.0634 | J | 0.239 | mg/kg | | 0.0698 | | | 9.55 | 20 |
| Silver | 0.0235 | J | 0.239 | mg/kg | | 0.0259 | | | 9.53 | 20 |
| Zinc | 14.2 | | 0.957 | mg/kg | | 12.9 | | | 9.88 | 20 |
| **Duplicate (BFH2042-DUP3)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | <2.39 | U | 2.39 | mg/kg | | <2.39 | | | | 20 |
| **MRL Check (BFH2042-MRL1)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 0.535 | J | 0.574 | mg/kg | 0.478 | | 112 | | | |
| Chromium | 1.67 | J | 3.44 | mg/kg | 1.43 | | 117 | | | |
| Copper | 1.10 | J | 1.15 | mg/kg | 0.956 | | 115 | | | |
| Thallium | 0.226 | J | 0.574 | mg/kg | 0.239 | | 94.6 | | | |
| **MRL Check (BFH2042-MRL2)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Cadmium | 0.00798 | J | 0.939 | mg/kg | 0.00391 | | 204 | | | |
| Nickel | 0.00845 | J | 0.939 | mg/kg | 0.00391 | | 216 | | | |
| **MRL Check (BFH2042-MRL3)** | | | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Antimony | 6.71 | | 1.15 | mg/kg | 4.78 | | 140 | | | |
| Beryllium | 0.116 | J | 0.229 | mg/kg | 0.0956 | | 122 | | | |
| Lead | 0.605 | | 0.574 | mg/kg | 0.478 | | 127 | | | |
| Silver | 0.321 | J | 0.574 | mg/kg | 0.239 | | 134 | | | |
| Zinc | 12.4 | | 2.29 | mg/kg | 9.56 | | 130 | | | |
| **MRL Check (BFH2042-MRL5)** | | | | | Prepared: 8/15/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 10.6 | | 5.74 | mg/kg | 9.56 | | 111 | | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2042 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH2042-MS1)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 2.76 | | 0.191 | mg/kg | 1.59 | 0.985 | 112 | 75-125 | | |
| Cadmium | 3.31 | | 0.381 | mg/kg | 3.18 | 0.0578 | 102 | 75-125 | | |
| Chromium | 9.58 | | 1.14 | mg/kg | 9.54 | 0.0372 | 100 | 75-125 | | |
| Copper | 4.33 | | 0.381 | mg/kg | 3.18 | 1.31 | 94.9 | 75-125 | | |
| Nickel | 3.42 | | 0.381 | mg/kg | 3.18 | 0.361 | 96.2 | 75-125 | | |
| Thallium | 1.44 | | 0.191 | mg/kg | 1.59 | <0.191 | 90.8 | 75-125 | | |
| **Matrix Spike (BFH2042-MS2)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Antimony | 4.29 | J1 | 0.381 | mg/kg | 3.18 | <0.381 | 135 | 75-125 | | |
| Beryllium | 0.857 | J1 | 0.0763 | mg/kg | 0.636 | <0.0763 | 135 | 75-125 | | |
| Lead | 1.97 | | 0.191 | mg/kg | 1.59 | 0.0698 | 119 | 75-125 | | |
| Silver | 1.37 | | 0.191 | mg/kg | 1.59 | 0.0259 | 84.3 | 75-125 | | |
| **Matrix Spike (BFH2042-MS3)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Zinc | 18.7 | | 1.53 | mg/kg | 6.36 | 12.9 | 91.4 | 75-125 | | |
| **Matrix Spike (BFH2042-MS4)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 8.19 | J1 | 1.91 | mg/kg | 6.36 | <1.91 | 129 | 75-125 | | |
| ***Batch: BFH2169 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFH2169-MRL1)** | | | | | Prepared & Analyzed: 8/16/2022 | | | | | |
| Mercury | 0.00925 | J | 0.0199 | mg/kg | 0.00995 | | 93.0 | | | |
| **Matrix Spike (BFH2169-MS1)** | | **Source: 22F4225-47** | | | Prepared & Analyzed: 8/16/2022 | | | | | |
| Mercury | 0.0802 | J1 | 0.00852 | mg/kg | 0.107 | <0.00852 | 75.3 | 80-120 | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

# Quality Control
**(Continued)**

## Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2169 - SW-7471 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH2169-MS2)** | | **Source: 22F4225-30** | | | Prepared & Analyzed: 8/16/2022 | | | | | |
| Mercury | 0.0993 | | 0.00930 | mg/kg | 0.116 | <0.00930 | 85.4 | 80-120 | | |
| **Matrix Spike Dup (BFH2169-MSD1)** | | **Source: 22F4225-47** | | | Prepared & Analyzed: 8/16/2022 | | | | | |
| Mercury | 0.0491 | J1 | 0.0109 | mg/kg | 0.105 | <0.0109 | 46.6 | 80-120 | 48.1 | 20 |
| **Matrix Spike Dup (BFH2169-MSD2)** | | **Source: 22F4225-30** | | | Prepared & Analyzed: 8/16/2022 | | | | | |
| Mercury | 0.0991 | | 0.00960 | mg/kg | 0.120 | <0.00960 | 82.6 | 80-120 | 0.160 | 20 |
| ***Batch: BFH2628 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFH2628-MRL1)** | | | | | Prepared & Analyzed: 8/18/2022 | | | | | |
| Mercury | 0.0311 | | 0.0183 | mg/kg | 0.00917 | | 339 | | | |
| **Matrix Spike (BFH2628-MS1)** | | **Source: 22F4225-05RE1** | | | Prepared & Analyzed: 8/18/2022 | | | | | |
| Mercury | 0.0946 | | 0.00945 | mg/kg | 0.118 | <0.00945 | 80.1 | 80-120 | | |
| **Matrix Spike (BFH2628-MS2)** | | **Source: 22F4225-20RE1** | | | Prepared & Analyzed: 8/18/2022 | | | | | |
| Mercury | 0.101 | | 0.00960 | mg/kg | 0.120 | <0.00960 | 84.2 | 80-120 | | |
| **Matrix Spike Dup (BFH2628-MSD1)** | | **Source: 22F4225-05RE1** | | | Prepared & Analyzed: 8/18/2022 | | | | | |
| Mercury | 0.100 | | 0.00960 | mg/kg | 0.120 | <0.00960 | 83.4 | 80-120 | 5.65 | 20 |
| **Matrix Spike Dup (BFH2628-MSD2)** | | **Source: 22F4225-20RE1** | | | Prepared & Analyzed: 8/18/2022 | | | | | |
| Mercury | 0.0994 | | 0.00960 | mg/kg | 0.120 | <0.00960 | 82.8 | 80-120 | 1.68 | 20 |
| ***Batch: BFI0218 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BFI0218-BLK1)** | | | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Antimony | <0.100 | U | 0.100 | mg/kg | | | | | | |
| Arsenic | <0.0500 | U | 0.0500 | mg/kg | | | | | | |
| Beryllium | <0.0200 | U | 0.0200 | mg/kg | | | | | | |
| Cadmium | <0.100 | U | 0.100 | mg/kg | | | | | | |
| Chromium | 0.0210 | J | 0.300 | mg/kg | | | | | | |
| Copper | 0.0572 | J | 0.100 | mg/kg | | | | | | |
| Lead | <0.0500 | U | 0.0500 | mg/kg | | | | | | |
| Nickel | 0.0173 | J | 0.100 | mg/kg | | | | | | |
| Selenium | <0.500 | U | 0.500 | mg/kg | | | | | | |
| Silver | <0.0500 | U | 0.0500 | mg/kg | | | | | | |
| Thallium | <0.0500 | U | 0.0500 | mg/kg | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFI0218 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Blank (BFI0218-BLK2)** | | | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Zinc | <0.200 | U | 0.200 | mg/kg | | | | | | |
| **LCS (BFI0218-BS1)** | | | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Antimony | 11.1 | | 0.100 | mg/kg | 10.0 | | 111 | 85-115 | | |
| Arsenic | 5.55 | | 0.0500 | mg/kg | 5.00 | | 111 | 85-115 | | |
| Beryllium | 2.20 | | 0.0200 | mg/kg | 2.00 | | 110 | 85-115 | | |
| Cadmium | 10.9 | | 0.100 | mg/kg | 10.0 | | 109 | 85-115 | | |
| Chromium | 29.1 | | 0.300 | mg/kg | 30.0 | | 97.0 | 85-115 | | |
| Copper | 9.85 | | 0.100 | mg/kg | 10.0 | | 98.5 | 85-115 | | |
| Lead | 5.09 | | 0.0500 | mg/kg | 5.00 | | 102 | 85-115 | | |
| Nickel | 9.67 | | 0.100 | mg/kg | 10.0 | | 96.7 | 85-115 | | |
| Selenium | 23.3 | J1 | 0.500 | mg/kg | 20.0 | | 116 | 85-115 | | |
| Silver | 4.94 | | 0.0500 | mg/kg | 5.00 | | 98.8 | 85-115 | | |
| Thallium | 5.04 | | 0.0500 | mg/kg | 5.00 | | 101 | 85-115 | | |
| **LCS (BFI0218-BS2)** | | | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Zinc | 23.4 | J1 | 0.200 | mg/kg | 20.0 | | 117 | 85-115 | | |
| **Duplicate (BFI0218-DUP1)** | | | **Source: 22F4240-08** | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Antimony | <0.0342 | U | 0.0342 | mg/kg | | <0.0342 | | | | 20 |
| Arsenic | 0.857 | | 0.0171 | mg/kg | | 0.909 | | | 5.86 | 20 |
| Beryllium | 0.00182 | J | 0.00685 | mg/kg | | 0.00170 | | | 6.62 | 20 |
| Cadmium | 0.0483 | | 0.0342 | mg/kg | | 0.0518 | | | 6.88 | 20 |
| Chromium | 0.0334 | J | 0.103 | mg/kg | | 0.0339 | | | 1.54 | 20 |
| Copper | 1.21 | | 0.0342 | mg/kg | | 1.26 | | | 3.98 | 20 |
| Lead | 0.0426 | | 0.0171 | mg/kg | | 0.0487 | | | 13.2 | 20 |
| Nickel | 0.284 | | 0.0342 | mg/kg | | 0.281 | | | 1.05 | 20 |
| Selenium | 0.134 | J | 0.171 | mg/kg | | 0.141 | | | 4.86 | 20 |
| Silver | 0.0154 | J | 0.0171 | mg/kg | | 0.0163 | | | 5.50 | 20 |
| Thallium | <0.0171 | U | 0.0171 | mg/kg | | <0.0171 | | | | 20 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFI0218 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BFI0218-DUP2)** | | **Source: 22F4240-10** | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Antimony | <0.0291 | U | 0.0291 | mg/kg | | <0.0291 | | | | 20 |
| Beryllium | 0.00273 | J | 0.00581 | mg/kg | | 0.00282 | | | 3.24 | 20 |
| Cadmium | 0.0561 | | 0.0291 | mg/kg | | 0.0573 | | | 2.03 | 20 |
| Silver | 0.0184 | | 0.0145 | mg/kg | | 0.0196 | | | 6.14 | 20 |
| **Duplicate (BFI0218-DUP3)** | | **Source: 22F4240-08** | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Zinc | 10.5 | | 0.0685 | mg/kg | | 10.7 | | | 2.26 | 20 |
| **Duplicate (BFI0218-DUP4)** | | **Source: 22F4240-10** | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Arsenic | 1.00 | | 0.0145 | mg/kg | | 0.962 | | | 4.38 | 20 |
| Chromium | 0.0623 | J | 0.0872 | mg/kg | | 0.0618 | | | 0.730 | 20 |
| Copper | 1.48 | | 0.0291 | mg/kg | | 1.36 | | | 8.31 | 20 |
| Lead | 0.0887 | | 0.0145 | mg/kg | | 0.0878 | | | 0.998 | 20 |
| Nickel | 0.362 | | 0.0291 | mg/kg | | 0.353 | | | 2.68 | 20 |
| Thallium | 0.000349 | J | 0.0145 | mg/kg | | 0.000363 | | | 3.95 | 20 |
| **Duplicate (BFI0218-DUP5)** | | **Source: 22F4240-10** | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Selenium | 0.150 | | 0.145 | mg/kg | | 0.146 | | | 2.92 | 20 |
| **MDL Check (BFI0218-MRL1)** | | | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Antimony | 0.0550 | J | 0.100 | mg/kg | 0.0500 | | 110 | | | |
| Arsenic | 0.00360 | J | 0.0500 | mg/kg | 0.00500 | | 72.0 | | | |
| Beryllium | 0.00110 | J | 0.0200 | mg/kg | 0.00100 | | 110 | | | |
| Cadmium | 0.00650 | J | 0.100 | mg/kg | 0.00500 | | 130 | | | |
| Chromium | 0.0262 | J | 0.300 | mg/kg | 0.0150 | | 175 | | | |
| Copper | 0.0242 | J | 0.100 | mg/kg | 0.0100 | | 242 | | | |
| Lead | 0.00590 | J | 0.0500 | mg/kg | 0.00500 | | 118 | | | |
| Nickel | 0.0143 | J | 0.100 | mg/kg | 0.00500 | | 286 | | | |
| Selenium | 0.108 | J | 0.500 | mg/kg | 0.100 | | 108 | | | |
| Silver | 0.00300 | J | 0.0500 | mg/kg | 0.00250 | | 120 | | | |
| Thallium | 0.00240 | J | 0.0500 | mg/kg | 0.00250 | | 96.0 | | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFI0218 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **MDL Check (BFI0218-MRL2)** | | | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Zinc | 0.236 | | 0.200 | mg/kg | 0.100 | | 236 | | | |
| **Matrix Spike (BFI0218-MS1)** | | **Source: 22F4240-08** | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Antimony | 3.05 | | 0.0281 | mg/kg | 2.81 | <0.0281 | 108 | 75-125 | | |
| Arsenic | 2.49 | | 0.0140 | mg/kg | 1.40 | 0.909 | 113 | 75-125 | | |
| Beryllium | 0.658 | | 0.00562 | mg/kg | 0.562 | 0.00170 | 117 | 75-125 | | |
| Cadmium | 3.05 | | 0.0281 | mg/kg | 2.81 | 0.0518 | 107 | 75-125 | | |
| Chromium | 8.32 | | 0.0843 | mg/kg | 8.43 | 0.0339 | 98.3 | 75-125 | | |
| Copper | 3.84 | | 0.0281 | mg/kg | 2.81 | 1.26 | 92.0 | 75-125 | | |
| Lead | 1.39 | | 0.0140 | mg/kg | 1.40 | 0.0487 | 95.2 | 75-125 | | |
| Nickel | 2.96 | | 0.0281 | mg/kg | 2.81 | 0.281 | 95.4 | 75-125 | | |
| Selenium | 7.34 | J1 | 0.140 | mg/kg | 5.62 | 0.141 | 128 | 75-125 | | |
| Silver | 1.10 | | 0.0140 | mg/kg | 1.40 | 0.0163 | 77.0 | 75-125 | | |
| Thallium | 1.35 | | 0.0140 | mg/kg | 1.40 | <0.0140 | 96.0 | 75-125 | | |
| **Matrix Spike (BFI0218-MS2)** | | **Source: 22F4240-10** | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Antimony | 3.36 | | 0.0325 | mg/kg | 3.25 | <0.0325 | 104 | 75-125 | | |
| Beryllium | 0.767 | | 0.00649 | mg/kg | 0.649 | 0.00282 | 118 | 75-125 | | |
| Cadmium | 3.56 | | 0.0325 | mg/kg | 3.25 | 0.0573 | 108 | 75-125 | | |
| Silver | 1.22 | J1 | 0.0162 | mg/kg | 1.62 | 0.0196 | 73.8 | 75-125 | | |
| **Matrix Spike (BFI0218-MS4)** | | **Source: 22F4240-10** | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Arsenic | 2.85 | | 0.0162 | mg/kg | 1.62 | 0.962 | 117 | 75-125 | | |
| Chromium | 10.0 | | 0.0974 | mg/kg | 9.74 | 0.0618 | 102 | 75-125 | | |
| Copper | 4.61 | | 0.0325 | mg/kg | 3.25 | 1.36 | 100 | 75-125 | | |
| Lead | 1.71 | | 0.0162 | mg/kg | 1.62 | 0.0878 | 99.9 | 75-125 | | |
| Nickel | 3.57 | | 0.0325 | mg/kg | 3.25 | 0.353 | 99.2 | 75-125 | | |
| Thallium | 1.64 | | 0.0162 | mg/kg | 1.62 | 0.000363 | 101 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFI0218 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFI0218-MS5)** | **Source: 22F4240-10** | | | | Prepared: 9/2/2022 Analyzed: 9/8/2022 | | | | | |
| Selenium | 8.49 | J1 | 0.162 | mg/kg | 6.49 | 0.146 | 128 | 75-125 | | |
| ***Batch: BFI0219 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BFI0219-BLK1)** | | | | | Prepared: 9/2/2022 Analyzed: 9/9/2022 | | | | | |
| Antimony | <0.100 | U | 0.100 | mg/kg | | | | | | |
| Arsenic | <0.0500 | U | 0.0500 | mg/kg | | | | | | |
| Beryllium | <0.0200 | U | 0.0200 | mg/kg | | | | | | |
| Cadmium | <0.100 | U | 0.100 | mg/kg | | | | | | |
| Chromium | <0.300 | U | 0.300 | mg/kg | | | | | | |
| Copper | 0.0299 | J | 0.100 | mg/kg | | | | | | |
| Lead | <0.0500 | U | 0.0500 | mg/kg | | | | | | |
| Nickel | <0.100 | U | 0.100 | mg/kg | | | | | | |
| Selenium | <0.500 | U | 0.500 | mg/kg | | | | | | |
| Silver | <0.0500 | U | 0.0500 | mg/kg | | | | | | |
| Thallium | <0.0500 | U | 0.0500 | mg/kg | | | | | | |
| Zinc | 0.122 | J | 0.200 | mg/kg | | | | | | |
| **LCS (BFI0219-BS1)** | | | | | Prepared: 9/2/2022 Analyzed: 9/9/2022 | | | | | |
| Antimony | 10.8 | | 0.100 | mg/kg | 10.0 | | 108 | 85-115 | | |
| Arsenic | 5.64 | | 0.0500 | mg/kg | 5.00 | | 113 | 85-115 | | |
| Beryllium | 2.38 | J1 | 0.0200 | mg/kg | 2.00 | | 119 | 85-115 | | |
| Cadmium | 11.2 | | 0.100 | mg/kg | 10.0 | | 112 | 85-115 | | |
| Chromium | 30.2 | | 0.300 | mg/kg | 30.0 | | 101 | 85-115 | | |
| Copper | 10.3 | | 0.100 | mg/kg | 10.0 | | 103 | 85-115 | | |
| Lead | 5.05 | | 0.0500 | mg/kg | 5.00 | | 101 | 85-115 | | |
| Nickel | 10.1 | | 0.100 | mg/kg | 10.0 | | 101 | 85-115 | | |
| Selenium | 24.0 | J1 | 0.500 | mg/kg | 20.0 | | 120 | 85-115 | | |
| Silver | 4.67 | | 0.0500 | mg/kg | 5.00 | | 93.4 | 85-115 | | |
| Thallium | 5.10 | | 0.0500 | mg/kg | 5.00 | | 102 | 85-115 | | |
| Zinc | 23.0 | | 0.200 | mg/kg | 20.0 | | 115 | 85-115 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFI0219 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BFI0219-DUP1)** | | **Source: 22F4240-29** | | | Prepared: 9/2/2022 Analyzed: 9/9/2022 | | | | | |
| Antimony | <0.0355 | U | 0.0355 | mg/kg | | <0.0355 | | | | 20 |
| Arsenic | 1.03 | J1 | 0.0177 | mg/kg | | 2.58 | | | 85.9 | 20 |
| Beryllium | 0.00167 | J | 0.00709 | mg/kg | | 0.000530 | | | 103 | 20 |
| Cadmium | 0.0487 | | 0.0355 | mg/kg | | 0.0410 | | | 17.0 | 20 |
| Chromium | 0.0443 | J | 0.106 | mg/kg | | 0.0698 | | | 44.7 | 20 |
| Copper | 1.33 | | 0.0355 | mg/kg | | 1.15 | | | 15.0 | 20 |
| Lead | 0.0680 | J1 | 0.0177 | mg/kg | | 0.0858 | | | 23.1 | 20 |
| Nickel | 0.356 | J1 | 0.0355 | mg/kg | | 0.207 | | | 52.8 | 20 |
| Selenium | 0.159 | J | 0.177 | mg/kg | | 0.311 | | | 64.5 | 20 |
| Silver | 0.0196 | | 0.0177 | mg/kg | | 0.0239 | | | 19.7 | 20 |
| Thallium | 0.000319 | J | 0.0177 | mg/kg | | 0.000303 | | | 5.18 | 20 |
| Zinc | 39.1 | | 0.355 | mg/kg | | 41.0 | | | 4.76 | 20 |
| **Duplicate (BFI0219-DUP2)** | | **Source: 22F4240-30** | | | Prepared: 9/2/2022 Analyzed: 9/9/2022 | | | | | |
| Antimony | <0.0379 | U | 0.0379 | mg/kg | | <0.0379 | | | | 20 |
| Cadmium | 0.0393 | | 0.0379 | mg/kg | | 0.0411 | | | 4.63 | 20 |
| Chromium | 0.0557 | J | 0.114 | mg/kg | | 0.0606 | | | 8.38 | 20 |
| Copper | 1.18 | | 0.0379 | mg/kg | | 1.23 | | | 4.74 | 20 |
| Lead | 0.0733 | | 0.0189 | mg/kg | | 0.0795 | | | 8.05 | 20 |
| Nickel | 0.203 | | 0.0379 | mg/kg | | 0.211 | | | 3.66 | 20 |
| Selenium | 0.323 | | 0.189 | mg/kg | | 0.346 | | | 6.93 | 20 |
| Silver | 0.0259 | | 0.0189 | mg/kg | | 0.0274 | | | 5.60 | 20 |
| Thallium | 0.000303 | J | 0.0189 | mg/kg | | 0.000315 | | | 3.86 | 20 |
| Zinc | 8.53 | | 0.0758 | mg/kg | | 9.15 | | | 6.99 | 20 |
| **Duplicate (BFI0219-DUP3)** | | **Source: 22F4240-30** | | | Prepared: 9/2/2022 Analyzed: 9/9/2022 | | | | | |
| Arsenic | 2.46 | | 0.0189 | mg/kg | | 2.62 | | | 6.31 | 20 |
| Beryllium | 0.000379 | J | 0.00758 | mg/kg | | <0.00758 | | | 200 | 20 |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFI0219 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **MDL Check (BFI0219-MRL1)** | | | | | Prepared: 9/2/2022 Analyzed: 9/9/2022 | | | | | |
| Antimony | 0.0573 | J | 0.100 | mg/kg | 0.0500 | | 115 | | | |
| Arsenic | 0.00100 | J | 0.0500 | mg/kg | 0.00500 | | 20.0 | | | |
| Beryllium | 0.00160 | J | 0.0200 | mg/kg | 0.00100 | | 160 | | | |
| Cadmium | 0.00500 | J | 0.100 | mg/kg | 0.00500 | | 100 | | | |
| Chromium | 0.0336 | J | 0.300 | mg/kg | 0.0150 | | 224 | | | |
| Copper | 0.0522 | J | 0.100 | mg/kg | 0.0100 | | 522 | | | |
| Lead | 0.00500 | J | 0.0500 | mg/kg | 0.00500 | | 100 | | | |
| Nickel | 0.0194 | J | 0.100 | mg/kg | 0.00500 | | 388 | | | |
| Selenium | 0.113 | J | 0.500 | mg/kg | 0.100 | | 113 | | | |
| Silver | 0.00290 | J | 0.0500 | mg/kg | 0.00250 | | 116 | | | |
| Thallium | 0.00290 | J | 0.0500 | mg/kg | 0.00250 | | 116 | | | |
| Zinc | 0.479 | | 0.200 | mg/kg | 0.100 | | 479 | | | |
| **Matrix Spike (BFI0219-MS1)** | | **Source: 22F4240-29** | | | Prepared: 9/2/2022 Analyzed: 9/9/2022 | | | | | |
| Antimony | 4.46 | | 0.0394 | mg/kg | 3.94 | <0.0394 | 113 | 75-125 | | |
| Arsenic | 3.38 | J1 | 0.0197 | mg/kg | 1.97 | 2.58 | 40.8 | 75-125 | | |
| Beryllium | 0.986 | | 0.00787 | mg/kg | 0.787 | 0.000530 | 125 | 75-125 | | |
| Cadmium | 4.43 | | 0.0394 | mg/kg | 3.94 | 0.0410 | 111 | 75-125 | | |
| Chromium | 12.1 | | 0.118 | mg/kg | 11.8 | 0.0698 | 102 | 75-125 | | |
| Copper | 5.32 | | 0.0394 | mg/kg | 3.94 | 1.15 | 106 | 75-125 | | |
| Lead | 1.96 | | 0.0197 | mg/kg | 1.97 | 0.0858 | 95.4 | 75-125 | | |
| Nickel | 4.32 | | 0.0394 | mg/kg | 3.94 | 0.207 | 104 | 75-125 | | |
| Selenium | 10.6 | J1 | 0.197 | mg/kg | 7.87 | 0.311 | 130 | 75-125 | | |
| Silver | 1.35 | J1 | 0.0197 | mg/kg | 1.97 | 0.0239 | 67.4 | 75-125 | | |
| Thallium | 1.95 | | 0.0197 | mg/kg | 1.97 | 0.000303 | 99.1 | 75-125 | | |
| Zinc | 51.6 | J1 | 0.394 | mg/kg | 7.87 | 41.0 | 135 | 75-125 | | |
| **Matrix Spike (BFI0219-MS2)** | | **Source: 22F4240-30** | | | Prepared: 9/2/2022 Analyzed: 9/9/2022 | | | | | |
| Antimony | 3.56 | | 0.0314 | mg/kg | 3.14 | <0.0314 | 113 | 75-125 | | |
| Cadmium | 3.45 | | 0.0314 | mg/kg | 3.14 | 0.0411 | 108 | 75-125 | | |
| Chromium | 9.41 | | 0.0943 | mg/kg | 9.43 | 0.0606 | 99.1 | 75-125 | | |
| Copper | 4.01 | | 0.0314 | mg/kg | 3.14 | 1.23 | 88.4 | 75-125 | | |
| Lead | 1.50 | | 0.0157 | mg/kg | 1.57 | 0.0795 | 90.2 | 75-125 | | |
| Nickel | 3.17 | | 0.0314 | mg/kg | 3.14 | 0.211 | 94.1 | 75-125 | | |
| Selenium | 9.01 | J1 | 0.157 | mg/kg | 6.29 | 0.346 | 138 | 75-125 | | |
| Silver | 1.46 | | 0.0157 | mg/kg | 1.57 | 0.0274 | 91.3 | 75-125 | | |
| Thallium | 1.52 | | 0.0157 | mg/kg | 1.57 | 0.000315 | 96.4 | 75-125 | | |
| Zinc | 12.9 | J1 | 0.126 | mg/kg | 6.29 | 9.15 | 60.3 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFI0219 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFI0219-MS3)** | | **Source: 22F4240-30** | | | Prepared: 9/2/2022 Analyzed: 9/9/2022 | | | | | |
| Arsenic | 2.17 | J1 | 0.0786 | mg/kg | 1.57 | 2.62 | NR | 75-125 | | |
| Beryllium | 0.732 | | 0.00629 | mg/kg | 0.629 | 0.000354 | 116 | 75-125 | | |
| ***Batch: BFI0732 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFI0732-MRL1)** | | | | | Prepared & Analyzed: 9/7/2022 | | | | | |
| Mercury | <0.0194 | U | 0.0194 | mg/kg | 0.00968 | | | | | |
| **Matrix Spike (BFI0732-MS1)** | | **Source: 22F4240-10RE1** | | | Prepared & Analyzed: 9/7/2022 | | | | | |
| Mercury | 0.0927 | | 0.00889 | mg/kg | 0.111 | <0.00889 | 83.4 | 80-120 | | |
| **Matrix Spike Dup (BFI0732-MSD1)** | | **Source: 22F4240-10RE1** | | | Prepared & Analyzed: 9/7/2022 | | | | | |
| Mercury | 0.0967 | | 0.00896 | mg/kg | 0.112 | <0.00896 | 86.4 | 80-120 | 4.25 | 20 |

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## Quality Control
**(Continued)**

### General Chemistry

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG0299 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0299-BLK1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFG0299-DUP1)** | | | **Source: 22F4240-26** | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 12.7 | | 0.100 | % | | 13.6 | | | 6.82 | 10 |
| **Duplicate (BFG0299-DUP2)** | | | **Source: 22F4240-45** | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 14.5 | | 0.100 | % | | 15.2 | | | 4.53 | 10 |
| **Reference (BFG0299-SRM1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 0.346 | | 0.100 | % | 0.350 | | 98.8 | 78.9-118 | | |
| ***Batch: BFG0345 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0345-BLK1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFG0345-DUP1)** | | | **Source: 22F4240-11** | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 9.39 | | 0.100 | % | | 9.50 | | | 1.10 | 10 |
| **Duplicate (BFG0345-DUP2)** | | | **Source: 22F4240-43** | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 12.3 | | 0.100 | % | | 12.6 | | | 2.62 | 10 |
| **Reference (BFG0345-SRM1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 0.345 | | 0.100 | % | 0.350 | | 98.5 | 78.9-118 | | |
| ***Batch: BFG0354 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0354-BLK1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG0354 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Duplicate (BFG0354-DUP1)** | | **Source: 22F4225-01** | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 8.91 | | 0.100 | % | | 8.65 | | | 2.94 | 10 |
| **Duplicate (BFG0354-DUP2)** | | **Source: 22F4225-36** | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 8.86 | | 0.100 | % | | 9.08 | | | 2.48 | 10 |
| **Reference (BFG0354-SRM1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 0.362 | | 0.100 | % | 0.350 | | 104 | 78.9-118 | | |
| ***Batch: BFG0444 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0444-BLK1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFG0444-DUP1)** | | **Source: 22F4225-17** | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 8.70 | | 0.100 | % | | 8.76 | | | 0.744 | 10 |
| **Reference (BFG0444-SRM1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 0.357 | | 0.100 | % | 0.350 | | 102 | 78.9-118 | | |
| ***Batch: BFG0445 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0445-BLK1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFG0445-DUP1)** | | **Source: 22F4225-07** | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 11.4 | | 0.100 | % | | 11.2 | | | 2.30 | 10 |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG0445 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Duplicate (BFG0445-DUP2)** | | **Source: 22F4240-09** | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 11.0 | | 0.100 | % | | 11.3 | | | 2.53 | 10 |
| **Reference (BFG0445-SRM1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 0.349 | | 0.100 | % | 0.350 | | 99.8 | 78.9-118 | | |
| ***Batch: BFG0446 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0446-BLK1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFG0446-DUP1)** | | **Source: 22F4225-09** | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 8.58 | | 0.100 | % | | 8.75 | | | 1.87 | 10 |
| **Duplicate (BFG0446-DUP2)** | | **Source: 22F4240-23** | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 14.4 | | 0.100 | % | | 14.9 | | | 3.09 | 10 |
| **Reference (BFG0446-SRM1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 0.349 | | 0.100 | % | 0.350 | | 99.8 | 78.9-118 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

# Sample Condition Checklist

**Work Order: 22F4240**

| Check Points | |
|---|---|
| Yes | Custody Seals |
| Yes | Containers Intact |
| Yes | COC/Labels Agree |
| Yes | Received On Ice |
| Yes | Appropriate Containers |
| Yes | Appropriate Sample Volume |
| Yes | Coolers Intact |
| Yes | Samples Accepted |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/14/2022 13:49 |

## Term and Qualifier Definitions

| Item | Definition |
|---|---|
| H | The parameter was analyzed outside the method specified holding time. |
| J | Estimated value - The reported value is between the detection limit and reporting limit. |
| J1 | Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision. |
| L | Off scale high - The concentration of the analyte exceeds the linear range. |
| S | The surrogate recovery was outside the established laboratory recovery limit. |
| U | Non-detected compound. |
| V | Analyte was detected in both sample and method blank. |
| RPD | Relative Percent Difference |
| %REC | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated |
| * | A = Accredited, N = Not Accredited or Accreditation not available |
| DF | Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content |
| MDL | Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B. |
| SDL | Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL. |
| MRL | Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard. |
| LRL | Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL. |

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# ANALYTICAL REPORT

Eurofins Houston
4145 Greenbriar Dr
Stafford, TX 77477
Tel: (281)240-4200

Laboratory Job ID: 860-30002-1
Client Project/Site: Fish Tissue 22F4240

For:
North Water District Laboratory Services
8725 Fawn Trail
Conroe, Texas 77385

Attn: Monica Martin

*Authorized for release by:*
*9/6/2022 5:15:59 PM*

Travis Richter, Project Manager
(281)794-7216
Travis.Richter@et.eurofinsus.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.



Results relate only to the items tested and the sample(s) as received by the laboratory.

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# Definitions/Glossary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Qualifiers

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| B | Compound was found in the blank and sample. |
| H | Sample was prepped or analyzed beyond the specified holding time |
| H3 | Sample was received and analyzed past holding time. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

## Job ID: 860-30002-1

### Laboratory: Eurofins Houston

**Narrative**

**Job Narrative**
**860-30002-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 7/19/2022 3:54 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5º C.

**GC Semi VOA**
Method TX 1005: The following samples were received outside of holding time: 22F4240-01 (860-30002-1), 22F4240-02 (860-30002-2), 22F4240-03 (860-30002-3), 22F4240-04 (860-30002-4), 22F4240-09 (860-30002-9), 22F4240-12 (860-30002-12), 22F4240-12 (860-30002-12[MS]) and 22F4240-12 (860-30002-12[MSD]).

Method TX 1005: The method blank for preparation batch 860-67196 and analytical batch 860-67151 contained >C12-C28 Range Hydrocarbons above the method detection limit. This target analyte concentration was less than the reporting limit (RL). This method blank was extracted using fish tissue provided by the client. Our in-house method blank did not have recoveries above the MDL and is reported with the data.

Method TX 1005: Surrogate o-Terphenyl (Surr) recovery for the following samples were outside the upper control limit: 22F4240-06 (860-30002-6) and 22F4240-08 (860-30002-8). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method TX 1005: The following samples were received outside of holding time: 22F4240-14 (860-30002-14), 22F4240-15 (860-30002-15), 22F4240-16 (860-30002-16), 22F4240-17 (860-30002-17), 22F4240-19 (860-30002-19) and 22F4240-20 (860-30002-20).

Method TX 1005: The following samples were received outside of holding time: 22F4240-05 (860-30002-5), 22F4240-06 (860-30002-6), 22F4240-07 (860-30002-7), 22F4240-08 (860-30002-8), 22F4240-10 (860-30002-10), 22F4240-11 (860-30002-11) and 22F4240-13 (860-30002-13).

Method TX 1005: The following samples were received outside of holding time: 22F4240-05 (860-30002-5), 22F4240-06 (860-30002-6), 22F4240-07 (860-30002-7), 22F4240-08 (860-30002-8), 22F4240-10 (860-30002-10), 22F4240-11 (860-30002-11) and 22F4240-13 (860-30002-13).

Method TX 1005: The following samples were received outside of holding time: 22F4240-14 (860-30002-14), 22F4240-15 (860-30002-15), 22F4240-16 (860-30002-16), 22F4240-17 (860-30002-17), 22F4240-19 (860-30002-19) and 22F4240-20 (860-30002-20).

Method TX 1005: The method blank for preparation batch 860-67758 and analytical batch 860-67674 contained Over C12-C28 above the method detection limit. This target analyte concentration was less than the reporting limit (RL). Re-extraction of samples was not possible since only one container was received per sample. The lab extracted a MB using our usual blank matrix and the MB was clean, therefore, the contamination in this MB is suspected to have come from the fish tissue submitted by the client and used for the preparation of this MB.

Method TX 1005: The following samples were received outside of holding time: 22F4240-18 (860-30002-18), 22F4240-21 (860-30002-21), 22F4240-22 (860-30002-22), 22F4240-23 (860-30002-23), 22F4240-24 (860-30002-24), 22F4240-25 (860-30002-25), 22F4240-26 (860-30002-26), 22F4240-27 (860-30002-27), 22F4240-28 (860-30002-28), 22F4240-29 (860-30002-29), 22F4240-30 (860-30002-30), 22F4240-31 (860-30002-31), 22F4240-32 (860-30002-32), 22F4240-33 (860-30002-33), 22F4240-34 (860-30002-34), 22F4240-35 (860-30002-35), 22F4240-36 (860-30002-36) and 22F4240-37 (860-30002-37).

Method TX 1005: The following samples were received outside of holding time: 22F4240-38 (860-30002-38), 22F4240-39 (860-30002-39), 22F4240-40 (860-30002-40), 22F4240-41 (860-30002-41), 22F4240-42 (860-30002-42), 22F4240-43 (860-30002-43),

## Job ID: 860-30002-1 (Continued)

### Laboratory: Eurofins Houston (Continued)

22F4240-44 (860-30002-44), 22F4240-45 (860-30002-45) and 22F4240-46 (860-30002-46).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-01 — Lab Sample ID: 860-30002-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 206 | H H3 B | 99.6 | 42.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 206 | | 99.6 | 42.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-02 — Lab Sample ID: 860-30002-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 119 | H H3 B | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 119 | | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-03 — Lab Sample ID: 860-30002-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 46.9 | J H H3 B | 98.4 | 41.5 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 46.9 | J | 98.4 | 41.5 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-04 — Lab Sample ID: 860-30002-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 43.6 | J H H3 B | 99.0 | 41.8 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 43.6 | J | 99.0 | 41.8 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-05 — Lab Sample ID: 860-30002-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 201 | H H3 B | 99.4 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 201 | | 99.4 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-06 — Lab Sample ID: 860-30002-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 125 | H H3 B | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 125 | | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-07 — Lab Sample ID: 860-30002-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 110 | H H3 B | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 110 | | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-08 — Lab Sample ID: 860-30002-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 315 | H H3 B | 99.6 | 42.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 315 | | 99.6 | 42.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-09 — Lab Sample ID: 860-30002-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Houston

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-10 — Lab Sample ID: 860-30002-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 251 | H H3 B | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 251 | | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-11 — Lab Sample ID: 860-30002-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 145 | H H3 B | 98.4 | 41.5 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 145 | | 98.4 | 41.5 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-12 — Lab Sample ID: 860-30002-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 64.3 | J H H3 B | 99.4 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 64.3 | J | 99.4 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-13 — Lab Sample ID: 860-30002-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 240 | H H3 B | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 240 | | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-14 — Lab Sample ID: 860-30002-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 104 | H H3 B | 99.4 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 104 | | 99.4 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-15 — Lab Sample ID: 860-30002-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 88.1 | J H H3 B | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 88.1 | J | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-16 — Lab Sample ID: 860-30002-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 148 | H H3 B | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 148 | | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-17 — Lab Sample ID: 860-30002-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 124 | H H3 B | 95.2 | 40.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 124 | | 95.2 | 40.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-18 — Lab Sample ID: 860-30002-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 156 | H H3 B | 97.3 | 41.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-18 (Continued) — Lab Sample ID: 860-30002-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Total Petroleum Hydrocarbons (C6-C35) | 156 | | 97.3 | 41.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-19 — Lab Sample ID: 860-30002-19

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 89.8 | J H H3 B | 99.6 | 42.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 89.8 | J | 99.6 | 42.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-20 — Lab Sample ID: 860-30002-20

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 188 | H H3 B | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 188 | | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-21 — Lab Sample ID: 860-30002-21

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 151 | H H3 B | 99.6 | 42.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 151 | | 99.6 | 42.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-22 — Lab Sample ID: 860-30002-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 96.2 | J H H3 B | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 96.2 | J | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-23 — Lab Sample ID: 860-30002-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 171 | H H3 B | 95.2 | 40.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 171 | | 95.2 | 40.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-24 — Lab Sample ID: 860-30002-24

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 430 | H H3 B | 96.9 | 40.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 73.5 | J H H3 | 96.9 | 40.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 504 | | 96.9 | 40.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-25 — Lab Sample ID: 860-30002-25

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 540 | H H3 B | 95.4 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 58.7 | J H H3 | 95.4 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 599 | | 95.4 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-26 — Lab Sample ID: 860-30002-26

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 456 | H H3 B | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 42.9 | J H H3 | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 499 | | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-27 — Lab Sample ID: 860-30002-27

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 553 | H H3 B | 98.2 | 41.5 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 553 | | 98.2 | 41.5 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-28 — Lab Sample ID: 860-30002-28

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 222 | H H3 B | 94.9 | 40.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 222 | | 94.9 | 40.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-29 — Lab Sample ID: 860-30002-29

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 840 | H H3 B | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 44.6 | J H H3 | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 885 | | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-30 — Lab Sample ID: 860-30002-30

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 498 | H H3 B | 90.1 | 38.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 45.2 | J H H3 | 90.1 | 38.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 543 | | 90.1 | 38.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-31 — Lab Sample ID: 860-30002-31

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 566 | H H3 B | 89.9 | 37.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 53.8 | J H H3 | 89.9 | 37.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 620 | | 89.9 | 37.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-32 — Lab Sample ID: 860-30002-32

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 692 | H H3 B | 99.2 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 50.3 | J H H3 | 99.2 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 742 | | 99.2 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-33 — Lab Sample ID: 860-30002-33

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 608 | H H3 B | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-33 (Continued) — Lab Sample ID: 860-30002-33

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Total Petroleum Hydrocarbons (C6-C35) | 608 | | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-34 — Lab Sample ID: 860-30002-34

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 593 | H H3 B | 97.1 | 41.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 593 | | 97.1 | 41.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-35 — Lab Sample ID: 860-30002-35

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 540 | H H3 B | 90.3 | 38.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 540 | | 90.3 | 38.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-36 — Lab Sample ID: 860-30002-36

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 693 | H H3 B | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 82.8 | J H H3 | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 776 | | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-37 — Lab Sample ID: 860-30002-37

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 649 | H H3 B | 89.3 | 37.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 86.7 | J H H3 | 89.3 | 37.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 736 | | 89.3 | 37.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-38 — Lab Sample ID: 860-30002-38

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 524 | H H3 | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 68.2 | J H H3 | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 592 | | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-39 — Lab Sample ID: 860-30002-39

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 553 | H H3 | 98.6 | 41.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 51.5 | J H H3 | 98.6 | 41.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 605 | | 98.6 | 41.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-40 — Lab Sample ID: 860-30002-40

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 240 | H H3 | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 240 | | 100 | 42.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-41 — Lab Sample ID: 860-30002-41

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 239 | H H3 | 98.8 | 41.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 44.9 | J H H3 | 98.8 | 41.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 284 | | 98.8 | 41.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-42 — Lab Sample ID: 860-30002-42

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 257 | H H3 | 101 | 42.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 57.4 | J H H3 | 101 | 42.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 314 | | 101 | 42.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-43 — Lab Sample ID: 860-30002-43

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 254 | H H3 | 96.0 | 40.5 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 254 | | 96.0 | 40.5 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-44 — Lab Sample ID: 860-30002-44

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 1440 | H H3 | 94.9 | 40.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 79.7 | J H H3 | 94.9 | 40.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 1520 | | 94.9 | 40.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-45 — Lab Sample ID: 860-30002-45

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 1180 | H H3 | 100 | 42.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 79.3 | J H H3 | 100 | 42.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 1260 | | 100 | 42.3 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4240-46 — Lab Sample ID: 860-30002-46

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 1050 | H H3 | 95.6 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 62.4 | J H H3 | 95.6 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 1110 | | 95.6 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: 22F4240-01
**Lab Sample ID: 860-30002-1**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.0 | U H H3 | 99.6 | 42.0 | mg/Kg | | 08/30/22 14:01 | 08/30/22 20:17 | 1 |
| **>C12-C28 Range Hydrocarbons** | **206** | **H H3 B** | 99.6 | 42.0 | mg/Kg | | 08/30/22 14:01 | 08/30/22 20:17 | 1 |
| >C28-C35 Range Hydrocarbons | <42.0 | U H H3 | 99.6 | 42.0 | mg/Kg | | 08/30/22 14:01 | 08/30/22 20:17 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **206** | | 99.6 | 42.0 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *96* | | *70 - 130* | *08/30/22 14:01* | *08/30/22 20:17* | *1* |
| *o-Terphenyl (Surr)* | *114* | | *70 - 130* | *08/30/22 14:01* | *08/30/22 20:17* | *1* |

## Client Sample ID: 22F4240-02
**Lab Sample ID: 860-30002-2**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 08/30/22 20:37 | 1 |
| **>C12-C28 Range Hydrocarbons** | **119** | **H H3 B** | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 08/30/22 20:37 | 1 |
| >C28-C35 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 08/30/22 20:37 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **119** | | 100 | 42.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* | *08/30/22 14:01* | *08/30/22 20:37* | *1* |
| *o-Terphenyl (Surr)* | *115* | | *70 - 130* | *08/30/22 14:01* | *08/30/22 20:37* | *1* |

## Client Sample ID: 22F4240-03
**Lab Sample ID: 860-30002-3**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/30/22 14:01 | 08/30/22 20:56 | 1 |
| **>C12-C28 Range Hydrocarbons** | **46.9** | **J H H3 B** | 98.4 | 41.5 | mg/Kg | | 08/30/22 14:01 | 08/30/22 20:56 | 1 |
| >C28-C35 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/30/22 14:01 | 08/30/22 20:56 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **46.9** | **J** | 98.4 | 41.5 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* | *08/30/22 14:01* | *08/30/22 20:56* | *1* |
| *o-Terphenyl (Surr)* | *115* | | *70 - 130* | *08/30/22 14:01* | *08/30/22 20:56* | *1* |

## Client Sample ID: 22F4240-04
**Lab Sample ID: 860-30002-4**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.8 | U H H3 | 99.0 | 41.8 | mg/Kg | | 08/30/22 14:01 | 08/30/22 21:16 | 1 |
| **>C12-C28 Range Hydrocarbons** | **43.6** | **J H H3 B** | 99.0 | 41.8 | mg/Kg | | 08/30/22 14:01 | 08/30/22 21:16 | 1 |
| >C28-C35 Range Hydrocarbons | <41.8 | U H H3 | 99.0 | 41.8 | mg/Kg | | 08/30/22 14:01 | 08/30/22 21:16 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **43.6** | **J** | 99.0 | 41.8 | mg/Kg | | | 08/18/22 16:48 | 1 |

## Client Sample ID: 22F4240-04
**Lab Sample ID: 860-30002-4**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 100 | | 70 - 130 | 08/30/22 14:01 | 08/30/22 21:16 | 1 |
| o-Terphenyl (Surr) | 116 | | 70 - 130 | 08/30/22 14:01 | 08/30/22 21:16 | 1 |

## Client Sample ID: 22F4240-05
**Lab Sample ID: 860-30002-5**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:16 | 1 |
| **>C12-C28 Range Hydrocarbons** | **201** | **H H3 B** | 99.4 | 41.9 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:16 | 1 |
| >C28-C35 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:16 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **201** | | 99.4 | 41.9 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 102 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 21:16 | 1 |
| o-Terphenyl (Surr) | 103 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 21:16 | 1 |

## Client Sample ID: 22F4240-06
**Lab Sample ID: 860-30002-6**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:36 | 1 |
| **>C12-C28 Range Hydrocarbons** | **125** | **H H3 B** | 96.2 | 40.6 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:36 | 1 |
| >C28-C35 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:36 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **125** | | 96.2 | 40.6 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 103 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 21:36 | 1 |
| o-Terphenyl (Surr) | 116 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 21:36 | 1 |

## Client Sample ID: 22F4240-07
**Lab Sample ID: 860-30002-7**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:56 | 1 |
| **>C12-C28 Range Hydrocarbons** | **110** | **H H3 B** | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:56 | 1 |
| >C28-C35 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:56 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **110** | | 100 | 42.4 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 99 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 21:56 | 1 |
| o-Terphenyl (Surr) | 113 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 21:56 | 1 |

## Client Sample ID: 22F4240-08
**Lab Sample ID: 860-30002-8**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.0 | U H H3 | 99.6 | 42.0 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:15 | 1 |
| **>C12-C28 Range Hydrocarbons** | **315** | **H H3 B** | 99.6 | 42.0 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:15 | 1 |
| >C28-C35 Range Hydrocarbons | <42.0 | U H H3 | 99.6 | 42.0 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:15 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **315** | | 99.6 | 42.0 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *104* | | *70 - 130* | *08/30/22 14:01* | *09/01/22 22:15* | *1* |
| *o-Terphenyl (Surr)* | *101* | | *70 - 130* | *08/30/22 14:01* | *09/01/22 22:15* | *1* |

## Client Sample ID: 22F4240-09
**Lab Sample ID: 860-30002-9**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 08/30/22 14:01 | 08/30/22 23:14 | 1 |
| >C12-C28 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 08/30/22 14:01 | 08/30/22 23:14 | 1 |
| >C28-C35 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 08/30/22 14:01 | 08/30/22 23:14 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.7 | U | 98.8 | 41.7 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* | *08/30/22 14:01* | *08/30/22 23:14* | *1* |
| *o-Terphenyl (Surr)* | *117* | | *70 - 130* | *08/30/22 14:01* | *08/30/22 23:14* | *1* |

## Client Sample ID: 22F4240-10
**Lab Sample ID: 860-30002-10**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:35 | 1 |
| **>C12-C28 Range Hydrocarbons** | **251** | **H H3 B** | 100 | 42.2 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:35 | 1 |
| >C28-C35 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:35 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **251** | | 100 | 42.2 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *97* | | *70 - 130* | *08/30/22 14:01* | *09/01/22 22:35* | *1* |
| *o-Terphenyl (Surr)* | *108* | | *70 - 130* | *08/30/22 14:01* | *09/01/22 22:35* | *1* |

## Client Sample ID: 22F4240-11
**Lab Sample ID: 860-30002-11**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:55 | 1 |
| **>C12-C28 Range Hydrocarbons** | **145** | **H H3 B** | 98.4 | 41.5 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:55 | 1 |
| >C28-C35 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:55 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **145** | | 98.4 | 41.5 | mg/Kg | | | 08/18/22 16:54 | 1 |

## Client Sample ID: 22F4240-11
**Lab Sample ID: 860-30002-11**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 101 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 22:55 | 1 |
| o-Terphenyl (Surr) | 114 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 22:55 | 1 |

## Client Sample ID: 22F4240-12
**Lab Sample ID: 860-30002-12**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/30/22 14:01 | 08/30/22 19:19 | 1 |
| **>C12-C28 Range Hydrocarbons** | **64.3** | **J H H3 B** | 99.4 | 41.9 | mg/Kg | | 08/30/22 14:01 | 08/30/22 19:19 | 1 |
| >C28-C35 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/30/22 14:01 | 08/30/22 19:19 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **64.3** | **J** | 99.4 | 41.9 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 100 | | 70 - 130 | 08/30/22 14:01 | 08/30/22 19:19 | 1 |
| o-Terphenyl (Surr) | 115 | | 70 - 130 | 08/30/22 14:01 | 08/30/22 19:19 | 1 |

## Client Sample ID: 22F4240-13
**Lab Sample ID: 860-30002-13**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 09/01/22 23:14 | 1 |
| **>C12-C28 Range Hydrocarbons** | **240** | **H H3 B** | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 09/01/22 23:14 | 1 |
| >C28-C35 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 09/01/22 23:14 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **240** | | 100 | 42.4 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 101 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 23:14 | 1 |
| o-Terphenyl (Surr) | 114 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 23:14 | 1 |

## Client Sample ID: 22F4240-14
**Lab Sample ID: 860-30002-14**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:16 | 1 |
| **>C12-C28 Range Hydrocarbons** | **104** | **H H3 B** | 99.4 | 41.9 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:16 | 1 |
| >C28-C35 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:16 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **104** | | 99.4 | 41.9 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 112 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 21:16 | 1 |
| o-Terphenyl (Surr) | 116 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 21:16 | 1 |

## Client Sample ID: 22F4240-15
**Lab Sample ID: 860-30002-15**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:36 | 1 |
| **>C12-C28 Range Hydrocarbons** | **88.1** | **J H H3 B** | 100 | 42.2 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:36 | 1 |
| >C28-C35 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:36 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **88.1** | **J** | 100 | 42.2 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *114* | | *70 - 130* | *08/30/22 14:01* | *09/01/22 21:36* | *1* |
| *o-Terphenyl (Surr)* | *116* | | *70 - 130* | *08/30/22 14:01* | *09/01/22 21:36* | *1* |

## Client Sample ID: 22F4240-16
**Lab Sample ID: 860-30002-16**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:56 | 1 |
| **>C12-C28 Range Hydrocarbons** | **148** | **H H3 B** | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:56 | 1 |
| >C28-C35 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/30/22 14:01 | 09/01/22 21:56 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **148** | | 100 | 42.4 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *108* | | *70 - 130* | *08/30/22 14:01* | *09/01/22 21:56* | *1* |
| *o-Terphenyl (Surr)* | *109* | | *70 - 130* | *08/30/22 14:01* | *09/01/22 21:56* | *1* |

## Client Sample ID: 22F4240-17
**Lab Sample ID: 860-30002-17**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.2 | U H H3 | 95.2 | 40.2 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:15 | 1 |
| **>C12-C28 Range Hydrocarbons** | **124** | **H H3 B** | 95.2 | 40.2 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:15 | 1 |
| >C28-C35 Range Hydrocarbons | <40.2 | U H H3 | 95.2 | 40.2 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:15 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **124** | | 95.2 | 40.2 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *110* | | *70 - 130* | *08/30/22 14:01* | *09/01/22 22:15* | *1* |
| *o-Terphenyl (Surr)* | *113* | | *70 - 130* | *08/30/22 14:01* | *09/01/22 22:15* | *1* |

## Client Sample ID: 22F4240-18
**Lab Sample ID: 860-30002-18**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.1 | U H H3 | 97.3 | 41.1 | mg/Kg | | 09/02/22 15:19 | 09/02/22 19:19 | 1 |
| **>C12-C28 Range Hydrocarbons** | **156** | **H H3 B** | 97.3 | 41.1 | mg/Kg | | 09/02/22 15:19 | 09/02/22 19:19 | 1 |
| >C28-C35 Range Hydrocarbons | <41.1 | U H H3 | 97.3 | 41.1 | mg/Kg | | 09/02/22 15:19 | 09/02/22 19:19 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **156** | | 97.3 | 41.1 | mg/Kg | | | 08/18/22 16:54 | 1 |

## Client Sample ID: 22F4240-18
**Lab Sample ID: 860-30002-18**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 96 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 19:19 | 1 |
| o-Terphenyl (Surr) | 109 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 19:19 | 1 |

## Client Sample ID: 22F4240-19
**Lab Sample ID: 860-30002-19**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.0 | U H H3 | 99.6 | 42.0 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:35 | 1 |
| **>C12-C28 Range Hydrocarbons** | **89.8** | **J H H3 B** | 99.6 | 42.0 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:35 | 1 |
| >C28-C35 Range Hydrocarbons | <42.0 | U H H3 | 99.6 | 42.0 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:35 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **89.8** | **J** | 99.6 | 42.0 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 107 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 22:35 | 1 |
| o-Terphenyl (Surr) | 108 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 22:35 | 1 |

## Client Sample ID: 22F4240-20
**Lab Sample ID: 860-30002-20**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:55 | 1 |
| **>C12-C28 Range Hydrocarbons** | **188** | **H H3 B** | 96.2 | 40.6 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:55 | 1 |
| >C28-C35 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 08/30/22 14:01 | 09/01/22 22:55 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **188** | | 96.2 | 40.6 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 109 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 22:55 | 1 |
| o-Terphenyl (Surr) | 110 | | 70 - 130 | 08/30/22 14:01 | 09/01/22 22:55 | 1 |

## Client Sample ID: 22F4240-21
**Lab Sample ID: 860-30002-21**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.0 | U H H3 | 99.6 | 42.0 | mg/Kg | | 09/02/22 15:19 | 09/02/22 20:19 | 1 |
| **>C12-C28 Range Hydrocarbons** | **151** | **H H3 B** | 99.6 | 42.0 | mg/Kg | | 09/02/22 15:19 | 09/02/22 20:19 | 1 |
| >C28-C35 Range Hydrocarbons | <42.0 | U H H3 | 99.6 | 42.0 | mg/Kg | | 09/02/22 15:19 | 09/02/22 20:19 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **151** | | 99.6 | 42.0 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 100 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 20:19 | 1 |
| o-Terphenyl (Surr) | 111 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 20:19 | 1 |

## Client Sample ID: 22F4240-22
**Lab Sample ID: 860-30002-22**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 09/02/22 15:19 | 09/02/22 20:38 | 1 |
| **>C12-C28 Range Hydrocarbons** | **96.2** | **J H H3 B** | 98.0 | 41.4 | mg/Kg | | 09/02/22 15:19 | 09/02/22 20:38 | 1 |
| >C28-C35 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 09/02/22 15:19 | 09/02/22 20:38 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **96.2** | **J** | 98.0 | 41.4 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *105* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 20:38* | *1* |
| *o-Terphenyl (Surr)* | *119* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 20:38* | *1* |

## Client Sample ID: 22F4240-23
**Lab Sample ID: 860-30002-23**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.2 | U H H3 | 95.2 | 40.2 | mg/Kg | | 09/02/22 15:19 | 09/02/22 20:58 | 1 |
| **>C12-C28 Range Hydrocarbons** | **171** | **H H3 B** | 95.2 | 40.2 | mg/Kg | | 09/02/22 15:19 | 09/02/22 20:58 | 1 |
| >C28-C35 Range Hydrocarbons | <40.2 | U H H3 | 95.2 | 40.2 | mg/Kg | | 09/02/22 15:19 | 09/02/22 20:58 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **171** | | 95.2 | 40.2 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 20:58* | *1* |
| *o-Terphenyl (Surr)* | *112* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 20:58* | *1* |

## Client Sample ID: 22F4240-24
**Lab Sample ID: 860-30002-24**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.9 | U H H3 | 96.9 | 40.9 | mg/Kg | | 09/02/22 15:19 | 09/02/22 21:18 | 1 |
| **>C12-C28 Range Hydrocarbons** | **430** | **H H3 B** | 96.9 | 40.9 | mg/Kg | | 09/02/22 15:19 | 09/02/22 21:18 | 1 |
| **>C28-C35 Range Hydrocarbons** | **73.5** | **J H H3** | 96.9 | 40.9 | mg/Kg | | 09/02/22 15:19 | 09/02/22 21:18 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **504** | | 96.9 | 40.9 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *111* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 21:18* | *1* |
| *o-Terphenyl (Surr)* | *103* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 21:18* | *1* |

## Client Sample ID: 22F4240-25
**Lab Sample ID: 860-30002-25**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 95.4 | 40.3 | mg/Kg | | 09/02/22 15:19 | 09/02/22 21:57 | 1 |
| **>C12-C28 Range Hydrocarbons** | **540** | **H H3 B** | 95.4 | 40.3 | mg/Kg | | 09/02/22 15:19 | 09/02/22 21:57 | 1 |
| **>C28-C35 Range Hydrocarbons** | **58.7** | **J H H3** | 95.4 | 40.3 | mg/Kg | | 09/02/22 15:19 | 09/02/22 21:57 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **599** | | 95.4 | 40.3 | mg/Kg | | | 08/18/22 16:54 | 1 |

## Client Sample ID: 22F4240-25
**Lab Sample ID: 860-30002-25**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 111 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 21:57 | 1 |
| o-Terphenyl (Surr) | 102 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 21:57 | 1 |

## Client Sample ID: 22F4240-26
**Lab Sample ID: 860-30002-26**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 09/02/22 15:19 | 09/02/22 22:16 | 1 |
| **>C12-C28 Range Hydrocarbons** | **456** | **H H3 B** | 100 | 42.2 | mg/Kg | | 09/02/22 15:19 | 09/02/22 22:16 | 1 |
| **>C28-C35 Range Hydrocarbons** | **42.9** | **J H H3** | 100 | 42.2 | mg/Kg | | 09/02/22 15:19 | 09/02/22 22:16 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **499** | | 100 | 42.2 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 100 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 22:16 | 1 |
| o-Terphenyl (Surr) | 92 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 22:16 | 1 |

## Client Sample ID: 22F4240-27
**Lab Sample ID: 860-30002-27**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.5 | U H H3 | 98.2 | 41.5 | mg/Kg | | 09/02/22 15:19 | 09/02/22 22:36 | 1 |
| **>C12-C28 Range Hydrocarbons** | **553** | **H H3 B** | 98.2 | 41.5 | mg/Kg | | 09/02/22 15:19 | 09/02/22 22:36 | 1 |
| >C28-C35 Range Hydrocarbons | <41.5 | U H H3 | 98.2 | 41.5 | mg/Kg | | 09/02/22 15:19 | 09/02/22 22:36 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **553** | | 98.2 | 41.5 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 98 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 22:36 | 1 |
| o-Terphenyl (Surr) | 89 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 22:36 | 1 |

## Client Sample ID: 22F4240-28
**Lab Sample ID: 860-30002-28**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.0 | U H H3 | 94.9 | 40.0 | mg/Kg | | 09/02/22 15:19 | 09/02/22 22:56 | 1 |
| **>C12-C28 Range Hydrocarbons** | **222** | **H H3 B** | 94.9 | 40.0 | mg/Kg | | 09/02/22 15:19 | 09/02/22 22:56 | 1 |
| >C28-C35 Range Hydrocarbons | <40.0 | U H H3 | 94.9 | 40.0 | mg/Kg | | 09/02/22 15:19 | 09/02/22 22:56 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **222** | | 94.9 | 40.0 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 105 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 22:56 | 1 |
| o-Terphenyl (Surr) | 118 | | 70 - 130 | 09/02/22 15:19 | 09/02/22 22:56 | 1 |

## Client Sample ID: 22F4240-29
**Lab Sample ID: 860-30002-29**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 09/02/22 15:19 | 09/02/22 23:15 | 1 |
| **>C12-C28 Range Hydrocarbons** | **840** | **H H3 B** | 100 | 42.2 | mg/Kg | | 09/02/22 15:19 | 09/02/22 23:15 | 1 |
| **>C28-C35 Range Hydrocarbons** | **44.6** | **J H H3** | 100 | 42.2 | mg/Kg | | 09/02/22 15:19 | 09/02/22 23:15 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **885** | | 100 | 42.2 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 23:15* | *1* |
| *o-Terphenyl (Surr)* | *88* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 23:15* | *1* |

## Client Sample ID: 22F4240-30
**Lab Sample ID: 860-30002-30**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <38.0 | U H H3 | 90.1 | 38.0 | mg/Kg | | 09/02/22 15:19 | 09/02/22 23:34 | 1 |
| **>C12-C28 Range Hydrocarbons** | **498** | **H H3 B** | 90.1 | 38.0 | mg/Kg | | 09/02/22 15:19 | 09/02/22 23:34 | 1 |
| **>C28-C35 Range Hydrocarbons** | **45.2** | **J H H3** | 90.1 | 38.0 | mg/Kg | | 09/02/22 15:19 | 09/02/22 23:34 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **543** | | 90.1 | 38.0 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *103* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 23:34* | *1* |
| *o-Terphenyl (Surr)* | *95* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 23:34* | *1* |

## Client Sample ID: 22F4240-31
**Lab Sample ID: 860-30002-31**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <37.9 | U H H3 | 89.9 | 37.9 | mg/Kg | | 09/02/22 15:19 | 09/02/22 23:54 | 1 |
| **>C12-C28 Range Hydrocarbons** | **566** | **H H3 B** | 89.9 | 37.9 | mg/Kg | | 09/02/22 15:19 | 09/02/22 23:54 | 1 |
| **>C28-C35 Range Hydrocarbons** | **53.8** | **J H H3** | 89.9 | 37.9 | mg/Kg | | 09/02/22 15:19 | 09/02/22 23:54 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **620** | | 89.9 | 37.9 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *98* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 23:54* | *1* |
| *o-Terphenyl (Surr)* | *93* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 23:54* | *1* |

## Client Sample ID: 22F4240-32
**Lab Sample ID: 860-30002-32**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.9 | U H H3 | 99.2 | 41.9 | mg/Kg | | 09/02/22 15:19 | 09/03/22 00:13 | 1 |
| **>C12-C28 Range Hydrocarbons** | **692** | **H H3 B** | 99.2 | 41.9 | mg/Kg | | 09/02/22 15:19 | 09/03/22 00:13 | 1 |
| **>C28-C35 Range Hydrocarbons** | **50.3** | **J H H3** | 99.2 | 41.9 | mg/Kg | | 09/02/22 15:19 | 09/03/22 00:13 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **742** | | 99.2 | 41.9 | mg/Kg | | | 08/18/22 16:54 | 1 |

## Client Sample ID: 22F4240-32
**Lab Sample ID: 860-30002-32**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 105 | | 70 - 130 | 09/02/22 15:19 | 09/03/22 00:13 | 1 |
| o-Terphenyl (Surr) | 93 | | 70 - 130 | 09/02/22 15:19 | 09/03/22 00:13 | 1 |

## Client Sample ID: 22F4240-33
**Lab Sample ID: 860-30002-33**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 09/02/22 15:19 | 09/03/22 00:32 | 1 |
| **>C12-C28 Range Hydrocarbons** | **608** | **H H3 B** | 96.2 | 40.6 | mg/Kg | | 09/02/22 15:19 | 09/03/22 00:32 | 1 |
| >C28-C35 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 09/02/22 15:19 | 09/03/22 00:32 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **608** | | 96.2 | 40.6 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 106 | | 70 - 130 | 09/02/22 15:19 | 09/03/22 00:32 | 1 |
| o-Terphenyl (Surr) | 99 | | 70 - 130 | 09/02/22 15:19 | 09/03/22 00:32 | 1 |

## Client Sample ID: 22F4240-34
**Lab Sample ID: 860-30002-34**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.0 | U H H3 | 97.1 | 41.0 | mg/Kg | | 09/02/22 15:19 | 09/03/22 00:52 | 1 |
| **>C12-C28 Range Hydrocarbons** | **593** | **H H3 B** | 97.1 | 41.0 | mg/Kg | | 09/02/22 15:19 | 09/03/22 00:52 | 1 |
| >C28-C35 Range Hydrocarbons | <41.0 | U H H3 | 97.1 | 41.0 | mg/Kg | | 09/02/22 15:19 | 09/03/22 00:52 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **593** | | 97.1 | 41.0 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 99 | | 70 - 130 | 09/02/22 15:19 | 09/03/22 00:52 | 1 |
| o-Terphenyl (Surr) | 89 | | 70 - 130 | 09/02/22 15:19 | 09/03/22 00:52 | 1 |

## Client Sample ID: 22F4240-35
**Lab Sample ID: 860-30002-35**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <38.1 | U H H3 | 90.3 | 38.1 | mg/Kg | | 09/02/22 15:19 | 09/03/22 01:30 | 1 |
| **>C12-C28 Range Hydrocarbons** | **540** | **H H3 B** | 90.3 | 38.1 | mg/Kg | | 09/02/22 15:19 | 09/03/22 01:30 | 1 |
| >C28-C35 Range Hydrocarbons | <38.1 | U H H3 | 90.3 | 38.1 | mg/Kg | | 09/02/22 15:19 | 09/03/22 01:30 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **540** | | 90.3 | 38.1 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 101 | | 70 - 130 | 09/02/22 15:19 | 09/03/22 01:30 | 1 |
| o-Terphenyl (Surr) | 96 | | 70 - 130 | 09/02/22 15:19 | 09/03/22 01:30 | 1 |

## Client Sample ID: 22F4240-36
**Lab Sample ID: 860-30002-36**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 09/02/22 15:19 | 09/03/22 01:50 | 1 |
| **>C12-C28 Range Hydrocarbons** | **693** | **H H3 B** | 98.0 | 41.4 | mg/Kg | | 09/02/22 15:19 | 09/03/22 01:50 | 1 |
| **>C28-C35 Range Hydrocarbons** | **82.8** | **J H H3** | 98.0 | 41.4 | mg/Kg | | 09/02/22 15:19 | 09/03/22 01:50 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **776** | | 98.0 | 41.4 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *103* | | *70 - 130* | *09/02/22 15:19* | *09/03/22 01:50* | *1* |
| *o-Terphenyl (Surr)* | *92* | | *70 - 130* | *09/02/22 15:19* | *09/03/22 01:50* | *1* |

## Client Sample ID: 22F4240-37
**Lab Sample ID: 860-30002-37**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <37.7 | U H H3 | 89.3 | 37.7 | mg/Kg | | 09/02/22 15:19 | 09/03/22 02:09 | 1 |
| **>C12-C28 Range Hydrocarbons** | **649** | **H H3 B** | 89.3 | 37.7 | mg/Kg | | 09/02/22 15:19 | 09/03/22 02:09 | 1 |
| **>C28-C35 Range Hydrocarbons** | **86.7** | **J H H3** | 89.3 | 37.7 | mg/Kg | | 09/02/22 15:19 | 09/03/22 02:09 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **736** | | 89.3 | 37.7 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* | *09/02/22 15:19* | *09/03/22 02:09* | *1* |
| *o-Terphenyl (Surr)* | *86* | | *70 - 130* | *09/02/22 15:19* | *09/03/22 02:09* | *1* |

## Client Sample ID: 22F4240-38
**Lab Sample ID: 860-30002-38**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 09/02/22 15:30 | 09/02/22 23:34 | 1 |
| **>C12-C28 Range Hydrocarbons** | **524** | **H H3** | 100 | 42.2 | mg/Kg | | 09/02/22 15:30 | 09/02/22 23:34 | 1 |
| **>C28-C35 Range Hydrocarbons** | **68.2** | **J H H3** | 100 | 42.2 | mg/Kg | | 09/02/22 15:30 | 09/02/22 23:34 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **592** | | 100 | 42.2 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *112* | | *70 - 130* | *09/02/22 15:30* | *09/02/22 23:34* | *1* |
| *o-Terphenyl (Surr)* | *90* | | *70 - 130* | *09/02/22 15:30* | *09/02/22 23:34* | *1* |

## Client Sample ID: 22F4240-39
**Lab Sample ID: 860-30002-39**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.6 | U H H3 | 98.6 | 41.6 | mg/Kg | | 09/02/22 15:30 | 09/02/22 23:54 | 1 |
| **>C12-C28 Range Hydrocarbons** | **553** | **H H3** | 98.6 | 41.6 | mg/Kg | | 09/02/22 15:30 | 09/02/22 23:54 | 1 |
| **>C28-C35 Range Hydrocarbons** | **51.5** | **J H H3** | 98.6 | 41.6 | mg/Kg | | 09/02/22 15:30 | 09/02/22 23:54 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **605** | | 98.6 | 41.6 | mg/Kg | | | 08/18/22 16:54 | 1 |

## Client Sample ID: 22F4240-39
**Lab Sample ID: 860-30002-39**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *112* | | *70 - 130* | *09/02/22 15:30* | *09/02/22 23:54* | *1* |
| *o-Terphenyl (Surr)* | *97* | | *70 - 130* | *09/02/22 15:30* | *09/02/22 23:54* | *1* |

## Client Sample ID: 22F4240-40
**Lab Sample ID: 860-30002-40**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 09/02/22 15:30 | 09/03/22 00:13 | 1 |
| **>C12-C28 Range Hydrocarbons** | **240** | **H H3** | 100 | 42.2 | mg/Kg | | 09/02/22 15:30 | 09/03/22 00:13 | 1 |
| >C28-C35 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 09/02/22 15:30 | 09/03/22 00:13 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **240** | | 100 | 42.2 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *107* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 00:13* | *1* |
| *o-Terphenyl (Surr)* | *106* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 00:13* | *1* |

## Client Sample ID: 22F4240-41
**Lab Sample ID: 860-30002-41**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 09/02/22 15:30 | 09/03/22 00:32 | 1 |
| **>C12-C28 Range Hydrocarbons** | **239** | **H H3** | 98.8 | 41.7 | mg/Kg | | 09/02/22 15:30 | 09/03/22 00:32 | 1 |
| **>C28-C35 Range Hydrocarbons** | **44.9** | **J H H3** | 98.8 | 41.7 | mg/Kg | | 09/02/22 15:30 | 09/03/22 00:32 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **284** | | 98.8 | 41.7 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *102* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 00:32* | *1* |
| *o-Terphenyl (Surr)* | *102* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 00:32* | *1* |

## Client Sample ID: 22F4240-42
**Lab Sample ID: 860-30002-42**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.6 | U H H3 | 101 | 42.6 | mg/Kg | | 09/02/22 15:30 | 09/03/22 00:52 | 1 |
| **>C12-C28 Range Hydrocarbons** | **257** | **H H3** | 101 | 42.6 | mg/Kg | | 09/02/22 15:30 | 09/03/22 00:52 | 1 |
| **>C28-C35 Range Hydrocarbons** | **57.4** | **J H H3** | 101 | 42.6 | mg/Kg | | 09/02/22 15:30 | 09/03/22 00:52 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **314** | | 101 | 42.6 | mg/Kg | | | 08/18/22 16:54 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *107* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 00:52* | *1* |
| *o-Terphenyl (Surr)* | *89* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 00:52* | *1* |

## Client Sample ID: 22F4240-43
**Lab Sample ID: 860-30002-43**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.5 | U H H3 | 96.0 | 40.5 | mg/Kg | | 09/02/22 15:30 | 09/03/22 01:11 | 1 |
| **>C12-C28 Range Hydrocarbons** | **254** | **H H3** | 96.0 | 40.5 | mg/Kg | | 09/02/22 15:30 | 09/03/22 01:11 | 1 |
| >C28-C35 Range Hydrocarbons | <40.5 | U H H3 | 96.0 | 40.5 | mg/Kg | | 09/02/22 15:30 | 09/03/22 01:11 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **254** | | 96.0 | 40.5 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *108* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 01:11* | *1* |
| *o-Terphenyl (Surr)* | *93* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 01:11* | *1* |

## Client Sample ID: 22F4240-44
**Lab Sample ID: 860-30002-44**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.0 | U H H3 | 94.9 | 40.0 | mg/Kg | | 09/02/22 15:30 | 09/03/22 01:50 | 1 |
| **>C12-C28 Range Hydrocarbons** | **1440** | **H H3** | 94.9 | 40.0 | mg/Kg | | 09/02/22 15:30 | 09/03/22 01:50 | 1 |
| **>C28-C35 Range Hydrocarbons** | **79.7** | **J H H3** | 94.9 | 40.0 | mg/Kg | | 09/02/22 15:30 | 09/03/22 01:50 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **1520** | | 94.9 | 40.0 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *104* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 01:50* | *1* |
| *o-Terphenyl (Surr)* | *104* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 01:50* | *1* |

## Client Sample ID: 22F4240-45
**Lab Sample ID: 860-30002-45**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.3 | U H H3 | 100 | 42.3 | mg/Kg | | 09/02/22 15:30 | 09/03/22 02:09 | 1 |
| **>C12-C28 Range Hydrocarbons** | **1180** | **H H3** | 100 | 42.3 | mg/Kg | | 09/02/22 15:30 | 09/03/22 02:09 | 1 |
| **>C28-C35 Range Hydrocarbons** | **79.3** | **J H H3** | 100 | 42.3 | mg/Kg | | 09/02/22 15:30 | 09/03/22 02:09 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **1260** | | 100 | 42.3 | mg/Kg | | | 08/18/22 16:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *111* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 02:09* | *1* |
| *o-Terphenyl (Surr)* | *83* | | *70 - 130* | *09/02/22 15:30* | *09/03/22 02:09* | *1* |

## Client Sample ID: 22F4240-46
**Lab Sample ID: 860-30002-46**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 95.6 | 40.3 | mg/Kg | | 09/02/22 15:30 | 09/02/22 22:36 | 1 |
| **>C12-C28 Range Hydrocarbons** | **1050** | **H H3** | 95.6 | 40.3 | mg/Kg | | 09/02/22 15:30 | 09/02/22 22:36 | 1 |
| **>C28-C35 Range Hydrocarbons** | **62.4** | **J H H3** | 95.6 | 40.3 | mg/Kg | | 09/02/22 15:30 | 09/02/22 22:36 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **1110** | | 95.6 | 40.3 | mg/Kg | | | 08/18/22 16:54 | 1 |

# Client Sample Results

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

**Client Sample ID: 22F4240-46**
**Lab Sample ID: 860-30002-46**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 109 | | 70 - 130 | 09/02/22 15:30 | 09/02/22 22:36 | 1 |
| o-Terphenyl (Surr) | 84 | | 70 - 130 | 09/02/22 15:30 | 09/02/22 22:36 | 1 |

# Surrogate Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

**Matrix: Solid**
**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO (70-130) | OTPH (70-130) | | | | | | | | | | |
| 860-30002-1 | 22F4240-01 | 96 | 114 | | | | | | | | | | |
| 860-30002-2 | 22F4240-02 | 100 | 115 | | | | | | | | | | |
| 860-30002-3 | 22F4240-03 | 100 | 115 | | | | | | | | | | |
| 860-30002-4 | 22F4240-04 | 100 | 116 | | | | | | | | | | |
| 860-30002-5 | 22F4240-05 | 102 | 103 | | | | | | | | | | |
| 860-30002-6 | 22F4240-06 | 103 | 116 | | | | | | | | | | |
| 860-30002-7 | 22F4240-07 | 99 | 113 | | | | | | | | | | |
| 860-30002-8 | 22F4240-08 | 104 | 101 | | | | | | | | | | |
| 860-30002-9 | 22F4240-09 | 100 | 117 | | | | | | | | | | |
| 860-30002-10 | 22F4240-10 | 97 | 108 | | | | | | | | | | |
| 860-30002-11 | 22F4240-11 | 101 | 114 | | | | | | | | | | |
| 860-30002-12 | 22F4240-12 | 100 | 115 | | | | | | | | | | |
| 860-30002-12 MS | 22F4240-12 | 98 | 106 | | | | | | | | | | |
| 860-30002-12 MSD | 22F4240-12 | 95 | 103 | | | | | | | | | | |
| 860-30002-13 | 22F4240-13 | 101 | 114 | | | | | | | | | | |
| 860-30002-14 | 22F4240-14 | 112 | 116 | | | | | | | | | | |
| 860-30002-15 | 22F4240-15 | 114 | 116 | | | | | | | | | | |
| 860-30002-16 | 22F4240-16 | 108 | 109 | | | | | | | | | | |
| 860-30002-17 | 22F4240-17 | 110 | 113 | | | | | | | | | | |
| 860-30002-18 | 22F4240-18 | 96 | 109 | | | | | | | | | | |
| 860-30002-18 MS | 22F4240-18 | 99 | 112 | | | | | | | | | | |
| 860-30002-18 MSD | 22F4240-18 | 100 | 115 | | | | | | | | | | |
| 860-30002-19 | 22F4240-19 | 107 | 108 | | | | | | | | | | |
| 860-30002-20 | 22F4240-20 | 109 | 110 | | | | | | | | | | |
| 860-30002-21 | 22F4240-21 | 100 | 111 | | | | | | | | | | |
| 860-30002-22 | 22F4240-22 | 105 | 119 | | | | | | | | | | |
| 860-30002-23 | 22F4240-23 | 99 | 112 | | | | | | | | | | |
| 860-30002-24 | 22F4240-24 | 111 | 103 | | | | | | | | | | |
| 860-30002-25 | 22F4240-25 | 111 | 102 | | | | | | | | | | |
| 860-30002-26 | 22F4240-26 | 100 | 92 | | | | | | | | | | |
| 860-30002-27 | 22F4240-27 | 98 | 89 | | | | | | | | | | |
| 860-30002-28 | 22F4240-28 | 105 | 118 | | | | | | | | | | |
| 860-30002-29 | 22F4240-29 | 100 | 88 | | | | | | | | | | |
| 860-30002-30 | 22F4240-30 | 103 | 95 | | | | | | | | | | |
| 860-30002-31 | 22F4240-31 | 98 | 93 | | | | | | | | | | |
| 860-30002-32 | 22F4240-32 | 105 | 93 | | | | | | | | | | |
| 860-30002-33 | 22F4240-33 | 106 | 99 | | | | | | | | | | |
| 860-30002-34 | 22F4240-34 | 99 | 89 | | | | | | | | | | |
| 860-30002-35 | 22F4240-35 | 101 | 96 | | | | | | | | | | |
| 860-30002-36 | 22F4240-36 | 103 | 92 | | | | | | | | | | |
| 860-30002-37 | 22F4240-37 | 99 | 86 | | | | | | | | | | |
| 860-30002-38 | 22F4240-38 | 112 | 90 | | | | | | | | | | |
| 860-30002-39 | 22F4240-39 | 112 | 97 | | | | | | | | | | |
| 860-30002-40 | 22F4240-40 | 107 | 106 | | | | | | | | | | |
| 860-30002-41 | 22F4240-41 | 102 | 102 | | | | | | | | | | |
| 860-30002-42 | 22F4240-42 | 107 | 89 | | | | | | | | | | |
| 860-30002-43 | 22F4240-43 | 108 | 93 | | | | | | | | | | |
| 860-30002-44 | 22F4240-44 | 104 | 104 | | | | | | | | | | |
| 860-30002-45 | 22F4240-45 | 111 | 83 | | | | | | | | | | |

# Surrogate Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Matrix: Solid**
**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1CO | OTPH | | | | | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | | | | | | | |
| 860-30002-46 | 22F4240-46 | 109 | 84 | | | | | | | | |
| 860-30002-46 MS | 22F4240-46 | 100 | 103 | | | | | | | | |
| 860-30002-46 MSD | 22F4240-46 | 95 | 93 | | | | | | | | |
| LCS 860-67196/2-A | Lab Control Sample | 94 | 107 | | | | | | | | |
| LCS 860-67758/2-A | Lab Control Sample | 98 | 113 | | | | | | | | |
| LCS 860-67760/2-A | Lab Control Sample | 103 | 101 | | | | | | | | |
| LCSD 860-67196/3-A | Lab Control Sample Dup | 98 | 113 | | | | | | | | |
| LCSD 860-67758/3-A | Lab Control Sample Dup | 100 | 115 | | | | | | | | |
| LCSD 860-67760/3-A | Lab Control Sample Dup | 104 | 99 | | | | | | | | |
| MB 860-67196/1-A | Method Blank | 96 | 109 | | | | | | | | |
| MB 860-67196/25-A | Method Blank | 103 | 120 | | | | | | | | |
| MB 860-67758/1-A | Method Blank | 99 | 111 | | | | | | | | |
| MB 860-67758/24-A | Method Blank | 109 | 114 | | | | | | | | |
| MB 860-67760/15-A | Method Blank | 108 | 110 | | | | | | | | |
| MB 860-67760/1-A | Method Blank | 109 | 114 | | | | | | | | |

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

**Lab Sample ID: MB 860-67196/1-A**
**Matrix: Solid**
**Analysis Batch: 67151**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 67196**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.1 | U | 97.5 | 41.1 | mg/Kg | | 08/30/22 14:01 | 08/30/22 19:00 | 1 |
| >C12-C28 Range Hydrocarbons | 75.37 | J | 97.5 | 41.1 | mg/Kg | | 08/30/22 14:01 | 08/30/22 19:00 | 1 |
| >C28-C35 Range Hydrocarbons | <41.1 | U | 97.5 | 41.1 | mg/Kg | | 08/30/22 14:01 | 08/30/22 19:00 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *96* | | *70 - 130* | *08/30/22 14:01* | *08/30/22 19:00* | *1* |
| *o-Terphenyl (Surr)* | *109* | | *70 - 130* | *08/30/22 14:01* | *08/30/22 19:00* | *1* |

**Lab Sample ID: MB 860-67196/25-A**
**Matrix: Solid**
**Analysis Batch: 67151**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 67196**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 08/30/22 14:01 | 08/31/22 02:48 | 1 |
| >C12-C28 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 08/30/22 14:01 | 08/31/22 02:48 | 1 |
| >C28-C35 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 08/30/22 14:01 | 08/31/22 02:48 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *103* | | *70 - 130* | *08/30/22 14:01* | *08/31/22 02:48* | *1* |
| *o-Terphenyl (Surr)* | *120* | | *70 - 130* | *08/30/22 14:01* | *08/31/22 02:48* | *1* |

**Lab Sample ID: LCS 860-67196/2-A**
**Matrix: Solid**
**Analysis Batch: 67151**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 67196**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1940 | 1862 | | mg/Kg | | 96 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | | | 1940 | 2259 | | mg/Kg | | 116 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *94* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* |

**Lab Sample ID: LCSD 860-67196/3-A**
**Matrix: Solid**
**Analysis Batch: 67151**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 67196**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1900 | 1942 | | mg/Kg | | 102 | 75 - 125 | 4 | 20 |
| >C12-C28 Range Hydrocarbons | | | 1900 | 2331 | | mg/Kg | | 123 | 75 - 125 | 3 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *98* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *113* | | *70 - 130* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: 860-30002-12 MS**
**Matrix: Solid**
**Analysis Batch: 67151**

**Client Sample ID: 22F4240-12**
**Prep Type: Total/NA**
**Prep Batch: 67196**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.9 | U H H3 | 2030 | 2058 | H H3 | mg/Kg | | 101 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | 64.3 | J H H3 B | 2030 | 2580 | H H3 | mg/Kg | | 124 | 75 - 125 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *98* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *106* | | *70 - 130* |

**Lab Sample ID: 860-30002-12 MSD**
**Matrix: Solid**
**Analysis Batch: 67151**

**Client Sample ID: 22F4240-12**
**Prep Type: Total/NA**
**Prep Batch: 67196**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.9 | U H H3 | 1920 | 1891 | H H3 | mg/Kg | | 98 | 75 - 125 | 8 | 20 |
| >C12-C28 Range Hydrocarbons | 64.3 | J H H3 B | 1920 | 2330 | H H3 | mg/Kg | | 118 | 75 - 125 | 10 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *95* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *103* | | *70 - 130* |

**Lab Sample ID: MB 860-67758/1-A**
**Matrix: Solid**
**Analysis Batch: 67674**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 67758**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.1 | U | 99.8 | 42.1 | mg/Kg | | 09/02/22 15:19 | 09/02/22 18:59 | 1 |
| >C12-C28 Range Hydrocarbons | 58.39 | J | 99.8 | 42.1 | mg/Kg | | 09/02/22 15:19 | 09/02/22 18:59 | 1 |
| >C28-C35 Range Hydrocarbons | <42.1 | U | 99.8 | 42.1 | mg/Kg | | 09/02/22 15:19 | 09/02/22 18:59 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 18:59* | *1* |
| *o-Terphenyl (Surr)* | *111* | | *70 - 130* | *09/02/22 15:19* | *09/02/22 18:59* | *1* |

**Lab Sample ID: MB 860-67758/24-A**
**Matrix: Solid**
**Analysis Batch: 67676**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 67758**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 09/02/22 15:19 | 09/03/22 02:28 | 1 |
| >C12-C28 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 09/02/22 15:19 | 09/03/22 02:28 | 1 |
| >C28-C35 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 09/02/22 15:19 | 09/03/22 02:28 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *109* | | *70 - 130* | *09/02/22 15:19* | *09/03/22 02:28* | *1* |
| *o-Terphenyl (Surr)* | *114* | | *70 - 130* | *09/02/22 15:19* | *09/03/22 02:28* | *1* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: LCS 860-67758/2-A**
**Matrix: Solid**
**Analysis Batch: 67674**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 67758**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 2000 | 2002 | | mg/Kg | | 100 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | | | 2000 | 2276 | | mg/Kg | | 114 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *98* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *113* | | *70 - 130* |

**Lab Sample ID: LCSD 860-67758/3-A**
**Matrix: Solid**
**Analysis Batch: 67674**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 67758**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1920 | 2045 | | mg/Kg | | 106 | 75 - 125 | 2 | 20 |
| >C12-C28 Range Hydrocarbons | | | 1920 | 2272 | | mg/Kg | | 118 | 75 - 125 | 0 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *115* | | *70 - 130* |

**Lab Sample ID: 860-30002-18 MS**
**Matrix: Solid**
**Analysis Batch: 67674**

**Client Sample ID: 22F4240-18**
**Prep Type: Total/NA**
**Prep Batch: 67758**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.1 | U H H3 | 2000 | 2083 | H H3 | mg/Kg | | 104 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | 156 | H H3 B | 2000 | 2394 | H H3 | mg/Kg | | 112 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *112* | | *70 - 130* |

**Lab Sample ID: 860-30002-18 MSD**
**Matrix: Solid**
**Analysis Batch: 67674**

**Client Sample ID: 22F4240-18**
**Prep Type: Total/NA**
**Prep Batch: 67758**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.1 | U H H3 | 1930 | 1997 | H H3 | mg/Kg | | 103 | 75 - 125 | 4 | 20 |
| >C12-C28 Range Hydrocarbons | 156 | H H3 B | 1930 | 2190 | H H3 | mg/Kg | | 105 | 75 - 125 | 9 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *115* | | *70 - 130* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: MB 860-67760/15-A**
**Matrix: Solid**
**Analysis Batch: 67676**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 67760**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 09/02/22 15:30 | 09/02/22 19:19 | 1 |
| >C12-C28 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 09/02/22 15:30 | 09/02/22 19:19 | 1 |
| >C28-C35 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 09/02/22 15:30 | 09/02/22 19:19 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *108* | | *70 - 130* | *09/02/22 15:30* | *09/02/22 19:19* | *1* |
| *o-Terphenyl (Surr)* | *110* | | *70 - 130* | *09/02/22 15:30* | *09/02/22 19:19* | *1* |

**Lab Sample ID: MB 860-67760/1-A**
**Matrix: Solid**
**Analysis Batch: 67676**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 67760**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <38.7 | U | 91.7 | 38.7 | mg/Kg | | 09/02/22 15:30 | 09/02/22 22:16 | 1 |
| >C12-C28 Range Hydrocarbons | <38.7 | U | 91.7 | 38.7 | mg/Kg | | 09/02/22 15:30 | 09/02/22 22:16 | 1 |
| >C28-C35 Range Hydrocarbons | <38.7 | U | 91.7 | 38.7 | mg/Kg | | 09/02/22 15:30 | 09/02/22 22:16 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *109* | | *70 - 130* | *09/02/22 15:30* | *09/02/22 22:16* | *1* |
| *o-Terphenyl (Surr)* | *114* | | *70 - 130* | *09/02/22 15:30* | *09/02/22 22:16* | *1* |

**Lab Sample ID: LCS 860-67760/2-A**
**Matrix: Solid**
**Analysis Batch: 67676**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 67760**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1930 | 2217 | | mg/Kg | | 115 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | | | 1930 | 1995 | | mg/Kg | | 104 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *103* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *101* | | *70 - 130* |

**Lab Sample ID: LCSD 860-67760/3-A**
**Matrix: Solid**
**Analysis Batch: 67676**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 67760**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1920 | 2276 | | mg/Kg | | 118 | 75 - 125 | 3 | 20 |
| >C12-C28 Range Hydrocarbons | | | 1920 | 2043 | | mg/Kg | | 106 | 75 - 125 | 2 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *104* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *99* | | *70 - 130* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: 860-30002-46 MS**
**Matrix: Solid**
**Analysis Batch: 67676**

**Client Sample ID: 22F4240-46**
**Prep Type: Total/NA**
**Prep Batch: 67760**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 2000 | 2078 | H H3 | mg/Kg | | 104 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | 1050 | H H3 | 2000 | 3518 | H H3 | mg/Kg | | 124 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *103* | | *70 - 130* |

**Lab Sample ID: 860-30002-46 MSD**
**Matrix: Solid**
**Analysis Batch: 67676**

**Client Sample ID: 22F4240-46**
**Prep Type: Total/NA**
**Prep Batch: 67760**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 1980 | 1968 | H H3 | mg/Kg | | 100 | 75 - 125 | 5 | 20 |
| >C12-C28 Range Hydrocarbons | 1050 | H H3 | 1980 | 3024 | H H3 | mg/Kg | | 100 | 75 - 125 | 15 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *95* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *93* | | *70 - 130* |

# QC Association Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## GC Semi VOA

### Analysis Batch: 65668

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30002-1 | 22F4240-01 | Total/NA | Solid | TX 1005 | |
| 860-30002-2 | 22F4240-02 | Total/NA | Solid | TX 1005 | |
| 860-30002-3 | 22F4240-03 | Total/NA | Solid | TX 1005 | |
| 860-30002-4 | 22F4240-04 | Total/NA | Solid | TX 1005 | |
| 860-30002-5 | 22F4240-05 | Total/NA | Solid | TX 1005 | |
| 860-30002-6 | 22F4240-06 | Total/NA | Solid | TX 1005 | |
| 860-30002-7 | 22F4240-07 | Total/NA | Solid | TX 1005 | |
| 860-30002-8 | 22F4240-08 | Total/NA | Solid | TX 1005 | |
| 860-30002-9 | 22F4240-09 | Total/NA | Solid | TX 1005 | |
| 860-30002-10 | 22F4240-10 | Total/NA | Solid | TX 1005 | |
| 860-30002-11 | 22F4240-11 | Total/NA | Solid | TX 1005 | |
| 860-30002-12 | 22F4240-12 | Total/NA | Solid | TX 1005 | |
| 860-30002-13 | 22F4240-13 | Total/NA | Solid | TX 1005 | |
| 860-30002-14 | 22F4240-14 | Total/NA | Solid | TX 1005 | |
| 860-30002-15 | 22F4240-15 | Total/NA | Solid | TX 1005 | |
| 860-30002-16 | 22F4240-16 | Total/NA | Solid | TX 1005 | |
| 860-30002-17 | 22F4240-17 | Total/NA | Solid | TX 1005 | |
| 860-30002-18 | 22F4240-18 | Total/NA | Solid | TX 1005 | |
| 860-30002-19 | 22F4240-19 | Total/NA | Solid | TX 1005 | |
| 860-30002-20 | 22F4240-20 | Total/NA | Solid | TX 1005 | |
| 860-30002-21 | 22F4240-21 | Total/NA | Solid | TX 1005 | |
| 860-30002-22 | 22F4240-22 | Total/NA | Solid | TX 1005 | |
| 860-30002-23 | 22F4240-23 | Total/NA | Solid | TX 1005 | |
| 860-30002-24 | 22F4240-24 | Total/NA | Solid | TX 1005 | |
| 860-30002-25 | 22F4240-25 | Total/NA | Solid | TX 1005 | |
| 860-30002-26 | 22F4240-26 | Total/NA | Solid | TX 1005 | |
| 860-30002-27 | 22F4240-27 | Total/NA | Solid | TX 1005 | |
| 860-30002-28 | 22F4240-28 | Total/NA | Solid | TX 1005 | |
| 860-30002-29 | 22F4240-29 | Total/NA | Solid | TX 1005 | |
| 860-30002-30 | 22F4240-30 | Total/NA | Solid | TX 1005 | |
| 860-30002-31 | 22F4240-31 | Total/NA | Solid | TX 1005 | |
| 860-30002-32 | 22F4240-32 | Total/NA | Solid | TX 1005 | |
| 860-30002-33 | 22F4240-33 | Total/NA | Solid | TX 1005 | |
| 860-30002-34 | 22F4240-34 | Total/NA | Solid | TX 1005 | |
| 860-30002-35 | 22F4240-35 | Total/NA | Solid | TX 1005 | |
| 860-30002-36 | 22F4240-36 | Total/NA | Solid | TX 1005 | |
| 860-30002-37 | 22F4240-37 | Total/NA | Solid | TX 1005 | |
| 860-30002-38 | 22F4240-38 | Total/NA | Solid | TX 1005 | |
| 860-30002-39 | 22F4240-39 | Total/NA | Solid | TX 1005 | |
| 860-30002-40 | 22F4240-40 | Total/NA | Solid | TX 1005 | |
| 860-30002-41 | 22F4240-41 | Total/NA | Solid | TX 1005 | |
| 860-30002-42 | 22F4240-42 | Total/NA | Solid | TX 1005 | |
| 860-30002-43 | 22F4240-43 | Total/NA | Solid | TX 1005 | |
| 860-30002-44 | 22F4240-44 | Total/NA | Solid | TX 1005 | |
| 860-30002-45 | 22F4240-45 | Total/NA | Solid | TX 1005 | |
| 860-30002-46 | 22F4240-46 | Total/NA | Solid | TX 1005 | |

### Analysis Batch: 67151

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30002-1 | 22F4240-01 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-2 | 22F4240-02 | Total/NA | Solid | TX 1005 | 67196 |

## GC Semi VOA (Continued)

### Analysis Batch: 67151 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30002-3 | 22F4240-03 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-4 | 22F4240-04 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-9 | 22F4240-09 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-12 | 22F4240-12 | Total/NA | Solid | TX 1005 | 67196 |
| MB 860-67196/1-A | Method Blank | Total/NA | Solid | TX 1005 | 67196 |
| MB 860-67196/25-A | Method Blank | Total/NA | Solid | TX 1005 | 67196 |
| LCS 860-67196/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 67196 |
| LCSD 860-67196/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-12 MS | 22F4240-12 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-12 MSD | 22F4240-12 | Total/NA | Solid | TX 1005 | 67196 |

### Prep Batch: 67196

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30002-1 | 22F4240-01 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-2 | 22F4240-02 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-3 | 22F4240-03 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-4 | 22F4240-04 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-5 | 22F4240-05 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-6 | 22F4240-06 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-7 | 22F4240-07 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-8 | 22F4240-08 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-9 | 22F4240-09 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-10 | 22F4240-10 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-11 | 22F4240-11 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-12 | 22F4240-12 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-13 | 22F4240-13 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-14 | 22F4240-14 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-15 | 22F4240-15 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-16 | 22F4240-16 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-17 | 22F4240-17 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-19 | 22F4240-19 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-20 | 22F4240-20 | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-67196/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-67196/25-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| LCS 860-67196/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Prep | |

## GC Semi VOA (Continued)

### Prep Batch: 67196 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCSD 860-67196/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-12 MS | 22F4240-12 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-12 MSD | 22F4240-12 | Total/NA | Solid | TX_1005_S_Prep | |

### Analysis Batch: 67495

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30002-14 | 22F4240-14 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-15 | 22F4240-15 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-16 | 22F4240-16 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-17 | 22F4240-17 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-19 | 22F4240-19 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-20 | 22F4240-20 | Total/NA | Solid | TX 1005 | 67196 |

### Analysis Batch: 67497

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30002-5 | 22F4240-05 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-6 | 22F4240-06 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-7 | 22F4240-07 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-8 | 22F4240-08 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-10 | 22F4240-10 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-11 | 22F4240-11 | Total/NA | Solid | TX 1005 | 67196 |
| 860-30002-13 | 22F4240-13 | Total/NA | Solid | TX 1005 | 67196 |

### Analysis Batch: 67674

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30002-18 | 22F4240-18 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-21 | 22F4240-21 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-22 | 22F4240-22 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-23 | 22F4240-23 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-24 | 22F4240-24 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-25 | 22F4240-25 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-26 | 22F4240-26 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-27 | 22F4240-27 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-28 | 22F4240-28 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-29 | 22F4240-29 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-30 | 22F4240-30 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-31 | 22F4240-31 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-32 | 22F4240-32 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-33 | 22F4240-33 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-34 | 22F4240-34 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-35 | 22F4240-35 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-36 | 22F4240-36 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-37 | 22F4240-37 | Total/NA | Solid | TX 1005 | 67758 |
| MB 860-67758/1-A | Method Blank | Total/NA | Solid | TX 1005 | 67758 |
| LCS 860-67758/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 67758 |
| LCSD 860-67758/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-18 MS | 22F4240-18 | Total/NA | Solid | TX 1005 | 67758 |
| 860-30002-18 MSD | 22F4240-18 | Total/NA | Solid | TX 1005 | 67758 |

# QC Association Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## GC Semi VOA

### Analysis Batch: 67676

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30002-38 | 22F4240-38 | Total/NA | Solid | TX 1005 | 67760 |
| 860-30002-39 | 22F4240-39 | Total/NA | Solid | TX 1005 | 67760 |
| 860-30002-40 | 22F4240-40 | Total/NA | Solid | TX 1005 | 67760 |
| 860-30002-41 | 22F4240-41 | Total/NA | Solid | TX 1005 | 67760 |
| 860-30002-42 | 22F4240-42 | Total/NA | Solid | TX 1005 | 67760 |
| 860-30002-43 | 22F4240-43 | Total/NA | Solid | TX 1005 | 67760 |
| 860-30002-44 | 22F4240-44 | Total/NA | Solid | TX 1005 | 67760 |
| 860-30002-45 | 22F4240-45 | Total/NA | Solid | TX 1005 | 67760 |
| 860-30002-46 | 22F4240-46 | Total/NA | Solid | TX 1005 | 67760 |
| MB 860-67758/24-A | Method Blank | Total/NA | Solid | TX 1005 | 67758 |
| MB 860-67760/15-A | Method Blank | Total/NA | Solid | TX 1005 | 67760 |
| MB 860-67760/1-A | Method Blank | Total/NA | Solid | TX 1005 | 67760 |
| LCS 860-67760/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 67760 |
| LCSD 860-67760/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 67760 |
| 860-30002-46 MS | 22F4240-46 | Total/NA | Solid | TX 1005 | 67760 |
| 860-30002-46 MSD | 22F4240-46 | Total/NA | Solid | TX 1005 | 67760 |

### Prep Batch: 67758

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30002-18 | 22F4240-18 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-21 | 22F4240-21 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-22 | 22F4240-22 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-23 | 22F4240-23 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-24 | 22F4240-24 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-25 | 22F4240-25 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-26 | 22F4240-26 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-27 | 22F4240-27 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-28 | 22F4240-28 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-29 | 22F4240-29 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-30 | 22F4240-30 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-31 | 22F4240-31 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-32 | 22F4240-32 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-33 | 22F4240-33 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-34 | 22F4240-34 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-35 | 22F4240-35 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-36 | 22F4240-36 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-37 | 22F4240-37 | Total/NA | Solid | TX_1005_S_Prep | |

## GC Semi VOA (Continued)

### Prep Batch: 67758 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 860-67758/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-67758/24-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| LCS 860-67758/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Prep | |
| LCSD 860-67758/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-18 MS | 22F4240-18 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-18 MSD | 22F4240-18 | Total/NA | Solid | TX_1005_S_Prep | |

### Prep Batch: 67760

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30002-38 | 22F4240-38 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-39 | 22F4240-39 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-40 | 22F4240-40 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-41 | 22F4240-41 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-42 | 22F4240-42 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-43 | 22F4240-43 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-44 | 22F4240-44 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-45 | 22F4240-45 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-46 | 22F4240-46 | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-67760/15-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-67760/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| LCS 860-67760/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Prep | |
| LCSD 860-67760/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-46 MS | 22F4240-46 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30002-46 MSD | 22F4240-46 | Total/NA | Solid | TX_1005_S_Prep | |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-01
**Lab Sample ID: 860-30002-1**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.02 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | 0 mL | 0 mL | 67151 | 08/30/22 20:17 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4240-02
**Lab Sample ID: 860-30002-2**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.98 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | 0 mL | 0 mL | 67151 | 08/30/22 20:37 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4240-03
**Lab Sample ID: 860-30002-3**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.08 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | 0 mL | 0 mL | 67151 | 08/30/22 20:56 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4240-04
**Lab Sample ID: 860-30002-4**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.05 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | 0 mL | 0 mL | 67151 | 08/30/22 21:16 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4240-05
**Lab Sample ID: 860-30002-5**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.03 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67497 | 09/01/22 21:16 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-06
**Lab Sample ID: 860-30002-6**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.20 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67497 | 09/01/22 21:36 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-07
**Lab Sample ID: 860-30002-7**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.98 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67497 | 09/01/22 21:56 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-08
**Lab Sample ID: 860-30002-8**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.02 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67497 | 09/01/22 22:15 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-09
**Lab Sample ID: 860-30002-9**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.06 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | 0 mL | 0 mL | 67151 | 08/30/22 23:14 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-10
**Lab Sample ID: 860-30002-10**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67497 | 09/01/22 22:35 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-11
**Lab Sample ID: 860-30002-11**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.08 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67497 | 09/01/22 22:55 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-12
**Lab Sample ID: 860-30002-12**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.03 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | 0 mL | 0 mL | 67151 | 08/30/22 19:19 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-13
**Lab Sample ID: 860-30002-13**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.98 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67497 | 09/01/22 23:14 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-14
**Lab Sample ID: 860-30002-14**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.03 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67495 | 09/01/22 21:16 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-15
**Lab Sample ID: 860-30002-15**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67495 | 09/01/22 21:36 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-16
**Lab Sample ID: 860-30002-16**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.98 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67495 | 09/01/22 21:56 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-17
**Lab Sample ID: 860-30002-17**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.25 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67495 | 09/01/22 22:15 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-18
**Lab Sample ID: 860-30002-18**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.14 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 19:19 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-19
**Lab Sample ID: 860-30002-19**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.02 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67495 | 09/01/22 22:35 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-20
**Lab Sample ID: 860-30002-20**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.20 g | 10 mL | 67196 | 08/30/22 14:01 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67495 | 09/01/22 22:55 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-21
**Lab Sample ID: 860-30002-21**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.02 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 20:19 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-22
**Lab Sample ID: 860-30002-22**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.10 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 20:38 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-23
**Lab Sample ID: 860-30002-23**
**Date Collected: 04/14/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.25 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 20:58 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-24
**Lab Sample ID: 860-30002-24**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.16 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 21:18 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-25
**Lab Sample ID: 860-30002-25**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.24 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 21:57 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-26
**Lab Sample ID: 860-30002-26**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.00 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 22:16 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-27
**Lab Sample ID: 860-30002-27**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.09 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 22:36 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-28
**Lab Sample ID: 860-30002-28**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.27 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 22:56 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-29
**Lab Sample ID: 860-30002-29**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.00 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 23:15 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-30
**Lab Sample ID: 860-30002-30**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.55 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 23:34 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-31
**Lab Sample ID: 860-30002-31**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.56 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/02/22 23:54 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-32
**Lab Sample ID: 860-30002-32**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.04 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/03/22 00:13 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-33
**Lab Sample ID: 860-30002-33**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.20 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/03/22 00:32 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-34
**Lab Sample ID: 860-30002-34**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.15 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/03/22 00:52 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-35
**Lab Sample ID: 860-30002-35**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.54 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/03/22 01:30 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-36
**Lab Sample ID: 860-30002-36**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.10 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/03/22 01:50 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-37
**Lab Sample ID: 860-30002-37**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.60 g | 10 mL | 67758 | 09/02/22 15:19 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67674 | 09/03/22 02:09 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-38
**Lab Sample ID: 860-30002-38**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5 g | 10 mL | 67760 | 09/02/22 15:30 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67676 | 09/02/22 23:34 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-39
**Lab Sample ID: 860-30002-39**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.07 g | 10 mL | 67760 | 09/02/22 15:30 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67676 | 09/02/22 23:54 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-40
**Lab Sample ID: 860-30002-40**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5 g | 10 mL | 67760 | 09/02/22 15:30 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67676 | 09/03/22 00:13 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-41
**Lab Sample ID: 860-30002-41**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.06 g | 10 mL | 67760 | 09/02/22 15:30 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67676 | 09/03/22 00:32 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-42
**Lab Sample ID: 860-30002-42**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.95 g | 10 mL | 67760 | 09/02/22 15:30 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67676 | 09/03/22 00:52 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-43
**Lab Sample ID: 860-30002-43**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.21 g | 10 mL | 67760 | 09/02/22 15:30 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67676 | 09/03/22 01:11 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-44
**Lab Sample ID: 860-30002-44**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.27 g | 10 mL | 67760 | 09/02/22 15:30 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67676 | 09/03/22 01:50 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

## Client Sample ID: 22F4240-45
**Lab Sample ID: 860-30002-45**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.99 g | 10 mL | 67760 | 09/02/22 15:30 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67676 | 09/03/22 02:09 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Client Sample ID: 22F4240-46
**Date Collected: 04/15/22 13:00**
**Date Received: 07/19/22 15:54**

## Lab Sample ID: 860-30002-46
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.23 g | 10 mL | 67760 | 09/02/22 15:30 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 67676 | 09/02/22 22:36 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:54 | DD | EET HOU |

**Laboratory References:**
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

# Accreditation/Certification Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

## Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704215-22-47 | 06-30-23 |

# Method Summary

Client: North Water District Laboratory Services
Job ID: 860-30002-1
Project/Site: Fish Tissue 22F4240

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| TX 1005 | Texas - Total Petroleum Hydrocarbon (GC) | TCEQ | EET HOU |
| TX_1005_S_Prep | Extraction - Texas Total petroleum Hyrdocarbons | TCEQ | EET HOU |

**Protocol References:**

TCEQ = Texas Commission of Environmental Quality

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

# Sample Summary

Client: North Water District Laboratory Services
Project/Site: Fish Tissue 22F4240

Job ID: 860-30002-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 860-30002-1 | 22F4240-01 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-2 | 22F4240-02 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-3 | 22F4240-03 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-4 | 22F4240-04 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-5 | 22F4240-05 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-6 | 22F4240-06 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-7 | 22F4240-07 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-8 | 22F4240-08 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-9 | 22F4240-09 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-10 | 22F4240-10 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-11 | 22F4240-11 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-12 | 22F4240-12 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-13 | 22F4240-13 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-14 | 22F4240-14 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-15 | 22F4240-15 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-16 | 22F4240-16 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-17 | 22F4240-17 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-18 | 22F4240-18 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-19 | 22F4240-19 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-20 | 22F4240-20 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-21 | 22F4240-21 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-22 | 22F4240-22 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-23 | 22F4240-23 | Solid | 04/14/22 13:00 | 07/19/22 15:54 |
| 860-30002-24 | 22F4240-24 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-25 | 22F4240-25 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-26 | 22F4240-26 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-27 | 22F4240-27 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-28 | 22F4240-28 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-29 | 22F4240-29 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-30 | 22F4240-30 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-31 | 22F4240-31 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-32 | 22F4240-32 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-33 | 22F4240-33 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-34 | 22F4240-34 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-35 | 22F4240-35 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-36 | 22F4240-36 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-37 | 22F4240-37 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-38 | 22F4240-38 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-39 | 22F4240-39 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-40 | 22F4240-40 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-41 | 22F4240-41 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-42 | 22F4240-42 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-43 | 22F4240-43 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-44 | 22F4240-44 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-45 | 22F4240-45 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30002-46 | 22F4240-46 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |

NWDLS
North Water District Laboratory Services, Inc

860-30002 Chain of Custody

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax 936-321-6061

Project Manager: Monica O Martin

**Subcontracted Laboratory:**

Eurofins Xenco_Subcontract
4145 Greenbriar Drive
Stafford, TX 77477
Phone: (281) 240-4200
Fax:

Temp: 4.9 IR ID HOU-339
C/F:-1.4
Corrected Temp: 3.5

## Work Order: 22F4240

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4240-01** ***Tissue Sampled: 04/14/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4240-02** ***Tissue Sampled: 04/14/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4240-03** ***Tissue Sampled: 04/14/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-04** ***Tissue Sampled: 04/14/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4240-05** ***Tissue Sampled: 04/14/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |

## Work Order: 22F4240 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4240-06** | ***Tissue Sampled: 04/14/2022 13:00*** | | |
| TPH-1005 | 09/09/2022 04/28/2022 13 00 | | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4240-07** | ***Tissue Sampled: 04/14/2022 13:00*** | | |
| TPH-1005 | 09/09/2022 04/28/2022 13 00 | | |
| *Analyte(s)* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4240-08** | ***Tissue Sampled: 04/14/2022 13:00*** | | |
| TPH-1005 | 09/09/2022 04/28/2022 13 00 | | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4240-09** | ***Tissue Sampled: 04/14/2022 13:00*** | | |
| TPH 1005 | 09/09/2022 04/28/2022 13 00 | | |
| *Analyte(s)* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-10** | ***Tissue Sampled: 04/14/2022 13:00*** | | |
| TPH-1005 | 09/09/2022 04/28/2022 13 00 | | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4240-11** | ***Tissue Sampled: 04/14/2022 13:00*** | | |
| TPH-1005 | 09/09/2022 04/28/2022 13 00 | | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4240 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4240-12** ***Tissue Sampled: 04/14/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4240-13** ***Tissue Sampled: 04/14/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied·* | | | |
| **Sample ID: 22F4240-14** ***Tissue Sampled: 04/14/2022 13:00*** | | | |
| TPH 1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied·* | | | |
| **Sample ID: 22F4240-15** ***Tissue Sampled: 04/14/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-16** ***Tissue Sampled: 04/14/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied·* | | | |
| **Sample ID: 22F4240-17** ***Tissue Sampled: 04/14/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied·* | | | |

NWDLS
North Water Division Laboratory Services Inc

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4240 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4240-18** *Tissue Sampled: 04/14/2022 13:00* | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4240-19** *Tissue Sampled: 04/14/2022 13:00* | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4240-20** *Tissue Sampled: 04/14/2022 13:00* | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4240-21** *Tissue Sampled: 04/14/2022 13:00* | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-22** *Tissue Sampled: 04/14/2022 13:00* | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4240-23** *Tissue Sampled: 04/14/2022 13:00* | | | |
| TPH-1005 | 09/09/2022 | 04/28/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |

NWDLS
North Water District Laboratory Services

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4240 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4240-24** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-25** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-26** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-27** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-28** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-29** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH 1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4240 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4240-30** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-31** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4240-32** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4240-33** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH 1005 | 09/09/2022 | 04/29/2022 13:00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4240-34** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-35** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4240 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4240-36** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH 1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4240-37** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-38** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-39** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH 1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-40** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4240-41** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |

NWDLS
Northwest Direct Laboratory Services

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4240 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4240-42** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4240-43** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4240-44** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4240-45** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH 1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4240-46** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 09/09/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |

| Released By | Date | Received By | Date |
|---|---|---|---|
| | 7/19/22 | | 7-19-22 1554 |

# Login Sample Receipt Checklist

Client: North Water District Laboratory Services

Job Number: 860-30002-1

**Login Number: 30002**
**List Number: 1**
**Creator: Palmar, Pedro**

**List Source: Eurofins Houston**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-22-36
TCEQ-TOX T104704202-21-16

September 01, 2022

# LAB REPORT

Gregg Pawlak
Terracon_Houston
11555 Clay Road
Houston, TX 77043

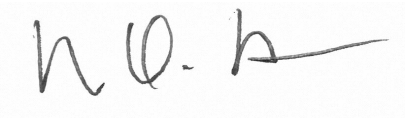
Report ID: 20220901174648MM

RE: PCCA HI TISSUE CHEM

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Monica O. Martin
Chief Administrative Officer

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-22-36
TCEQ-TOX T104704202-21-16

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Work Order Case Narrative

A total of 96 samples were collected on:

| Laboratory ID | Sample Name | Sample Date |
|---|---|---|
| 22F4225-01 | MM-HI-DMMU 1-1 | 04/14/2022 10:30 |
| 22F4225-02 | MM-HI-DMMU 1-2 | 04/14/2022 10:30 |
| 22F4225-03 | MM-HI-DMMU 1-3 | 04/14/2022 10:30 |
| 22F4225-04 | MM-HI-DMMU 1-4 | 04/14/2022 10:30 |
| 22F4225-05 | MM-HI-DMMU 1-5 | 04/14/2022 10:30 |
| 22F4225-06 | MM-HI-DMMU 2-1 | 04/14/2022 10:30 |
| 22F4225-07 | MM-HI-DMMU 2-2 | 04/14/2022 10:30 |
| 22F4225-08 | MM-HI-DMMU 2-3 | 04/14/2022 10:30 |
| 22F4225-09 | MM-HI-DMMU 2-4 | 04/14/2022 10:30 |
| 22F4225-10 | MM-HI-DMMU 2-5 | 04/14/2022 10:30 |
| 22F4225-11 | MM-HI-DMMU 3-1 | 04/14/2022 10:30 |
| 22F4225-12 | MM-HI-DMMU 3-2 | 04/14/2022 10:30 |
| 22F4225-13 | MM-HI-DMMU 3-3 | 04/14/2022 10:30 |
| 22F4225-14 | MM-HI-DMMU 3-4 | 04/14/2022 10:30 |
| 22F4225-15 | MM-HI-DMMU 3-5 | 04/14/2022 10:30 |
| 22F4225-16 | MM-HI-DMMU 4-1 | 04/14/2022 10:30 |
| 22F4225-17 | MM-HI-DMMU 4-2 | 04/14/2022 10:30 |
| 22F4225-18 | MM-HI-DMMU 4-3 | 04/14/2022 10:30 |
| 22F4225-19 | MM-HI-DMMU 4-4 | 04/14/2022 10:30 |
| 22F4225-20 | MM-HI-DMMU 4-5 | 04/14/2022 10:30 |
| 22F4225-21 | MM-HI-DMMU 5-1 | 04/14/2022 10:30 |
| 22F4225-22 | MM-HI-DMMU 5-2 | 04/14/2022 10:30 |
| 22F4225-23 | MM-HI-DMMU 5-3 | 04/14/2022 10:30 |
| 22F4225-24 | MM-HI-DMMU 5-4 | 04/14/2022 10:30 |
| 22F4225-25 | MM-HI-DMMU 5-5 | 04/14/2022 10:30 |
| 22F4225-26 | MM-HI-DMMU 6-1 | 04/14/2022 10:30 |
| 22F4225-27 | MM-HI-DMMU 6-2 | 04/14/2022 10:30 |
| 22F4225-28 | MM-HI-DMMU 6-3 | 04/14/2022 10:30 |
| 22F4225-29 | MM-HI-DMMU 6-4 | 04/14/2022 10:30 |
| 22F4225-30 | MM-HI-DMMU 6-5 | 04/14/2022 10:30 |
| 22F4225-31 | MM-HI-DMMU 7-1 | 04/14/2022 10:30 |
| 22F4225-32 | MM-HI-DMMU 7-2 | 04/14/2022 10:30 |
| 22F4225-33 | MM-HI-DMMU 7-3 | 04/14/2022 10:30 |
| 22F4225-34 | MM-HI-DMMU 7-4 | 04/14/2022 10:30 |
| 22F4225-35 | MM-HI-DMMU 7-5 | 04/14/2022 10:30 |
| 22F4225-36 | MM-HI-DMMU 8-1 | 04/14/2022 10:30 |
| 22F4225-37 | MM-HI-DMMU 8-2 | 04/14/2022 10:30 |
| 22F4225-38 | MM-HI-DMMU 8-3 | 04/14/2022 10:30 |
| 22F4225-39 | MM-HI-DMMU 8-4 | 04/14/2022 10:30 |
| 22F4225-40 | MM-HI-DMMU 8-5 | 04/14/2022 10:30 |
| 22F4225-41 | MM-HI-PRETEST-1 | 04/14/2022 10:30 |
| 22F4225-42 | MM-HI-PRETEST-2 | 04/14/2022 10:30 |
| 22F4225-43 | MM-HI-PRETEST-3 | 04/14/2022 10:30 |
| 22F4225-44 | MM-HI-REF-1 | 04/14/2022 10:30 |
| 22F4225-45 | MM-HI-REF-2 | 04/14/2022 10:30 |
| 22F4225-46 | MM-HI-REF-3 | 04/14/2022 10:30 |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

| | | |
|---|---|---|
| 22F4225-47 | MM-HI-REF-4 | 04/14/2022 10:30 |
| 22F4225-48 | MM-HI-REF-5 | 04/14/2022 10:30 |
| 22F4225-49 | NV-HI-DMMU 1-1 | 04/15/2022 13:00 |
| 22F4225-50 | NV-HI-DMMU 1-2 | 04/15/2022 13:00 |
| 22F4225-51 | NV-HI-DMMU 1-3 | 04/15/2022 13:00 |
| 22F4225-52 | NV-HI-DMMU 1-4 | 04/15/2022 13:00 |
| 22F4225-53 | NV-HI-DMMU 1-5 | 04/15/2022 13:00 |
| 22F4225-54 | NV-HI-DMMU 2-1 | 04/15/2022 13:00 |
| 22F4225-55 | NV-HI-DMMU 2-2 | 04/15/2022 13:00 |
| 22F4225-56 | NV-HI-DMMU 2-3 | 04/15/2022 13:00 |
| 22F4225-57 | NV-HI-DMMU 2-4 | 04/15/2022 13:00 |
| 22F4225-58 | NV-HI-DMMU 2-5 | 04/15/2022 13:00 |
| 22F4225-59 | NV-HI-DMMU 3-1 | 04/15/2022 13:00 |
| 22F4225-60 | NV-HI-DMMU 3-2 | 04/15/2022 13:00 |
| 22F4225-61 | NV-HI-DMMU 3-3 | 04/15/2022 13:00 |
| 22F4225-62 | NV-HI-DMMU 3-4 | 04/15/2022 13:00 |
| 22F4225-63 | NV-HI-DMMU 3-5 | 04/15/2022 13:00 |
| 22F4225-64 | NV-HI-DMMU 4-1 | 04/15/2022 13:00 |
| 22F4225-65 | NV-HI-DMMU 4-2 | 04/15/2022 13:00 |
| 22F4225-66 | NV-HI-DMMU 4-3 | 04/15/2022 13:00 |
| 22F4225-67 | NV-HI-DMMU 4-4 | 04/15/2022 13:00 |
| 22F4225-68 | NV-HI-DMMU 4-5 | 04/15/2022 13:00 |
| 22F4225-69 | NV-HI-DMMU 5-1 | 04/15/2022 13:00 |
| 22F4225-70 | NV-HI-DMMU 5-2 | 04/15/2022 13:00 |
| 22F4225-71 | NV-HI-DMMU 5-3 | 04/15/2022 13:00 |
| 22F4225-72 | NV-HI-DMMU 5-4 | 04/15/2022 13:00 |
| 22F4225-73 | NV-HI-DMMU 5-5 | 04/15/2022 13:00 |
| 22F4225-74 | NV-HI-DMMU 6-1 | 04/15/2022 13:00 |
| 22F4225-75 | NV-HI-DMMU 6-2 | 04/15/2022 13:00 |
| 22F4225-76 | NV-HI-DMMU 6-3 | 04/15/2022 13:00 |
| 22F4225-77 | NV-HI-DMMU 6-4 | 04/15/2022 13:00 |
| 22F4225-78 | NV-HI-DMMU 6-5 | 04/15/2022 13:00 |
| 22F4225-79 | NV-HI-DMMU 7-1 | 04/15/2022 13:00 |
| 22F4225-80 | NV-HI-DMMU 7-2 | 04/15/2022 13:00 |
| 22F4225-81 | NV-HI-DMMU 7-3 | 04/15/2022 13:00 |
| 22F4225-82 | NV-HI-DMMU 7-4 | 04/15/2022 13:00 |
| 22F4225-83 | NV-HI-DMMU 7-5 | 04/15/2022 13:00 |
| 22F4225-84 | NV-HI-DMMU 8-1 | 04/15/2022 13:00 |
| 22F4225-85 | NV-HI-DMMU 8-2 | 04/15/2022 13:00 |
| 22F4225-86 | NV-HI-DMMU 8-3 | 04/15/2022 13:00 |
| 22F4225-87 | NV-HI-DMMU 8-4 | 04/15/2022 13:00 |
| 22F4225-88 | NV-HI-DMMU 8-5 | 04/15/2022 13:00 |
| 22F4225-89 | NV-HI-PRETEST-1 | 04/15/2022 13:00 |
| 22F4225-90 | NV-HI-PRETEST-2 | 04/15/2022 13:00 |
| 22F4225-91 | NV-HI-PRETEST-3 | 04/15/2022 13:00 |
| 22F4225-92 | NV-HI-REF-1 | 04/15/2022 13:00 |
| 22F4225-93 | NV-HI-REF-2 | 04/15/2022 13:00 |
| 22F4225-94 | NV-HI-REF-3 | 04/15/2022 13:00 |
| 22F4225-95 | NV-HI-REF-4 | 04/15/2022 13:00 |
| 22F4225-96 | NV-HI-REF-5 | 04/15/2022 13:00 |

NTP was granted to NWDLS on 06/21/2022 16:00. Samples were held in freezer storage until analysis began. Any receiving

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

discrepancies are recorded and stored in NWDLS' database. The samples received a Work Order of 22F4225. The lab sample IDs, client sample IDs, and dates of collection can be found at the top of each result page.

NWDLS provided their lowest detection limit for all requested analyses. Note that detection and reporting limits are adjusted to account for sample specific parameters.

Any QC that did not meet the laboratory specified control limits was flagged and reported with qualifiers. For additional information, please refer to the included quality control data pages.

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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# Sample Results

Client Sample ID: MM-HI-DMMU 1-1
Lab Sample ID: 22F4225-01
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <50.5U | ug/kg dry | 1 | 50.5 | 50.5 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Acenaphthene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Acenaphthylene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Anthracene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <50.5U | ug/kg dry | 1 | 50.5 | 50.5 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <25.3B, U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Chrysene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 49.3V | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Fluoranthene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Fluorene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Naphthalene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Phenanthrene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Phenol, Total | A | 225V | ug/kg dry | 1 | 50.5 | 50.5 | BFG2359 | 08/02/2022 18:42 | KRB |
| SW-8270 | Pyrene | A | <25.3U | ug/kg dry | 1 | 25.3 | 25.3 | BFG2359 | 08/02/2022 18:42 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *47.6% S* | *60-140* | | | | | *08/02/2022 18:42* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *63.2%* | *60-140* | | | | | *08/02/2022 18:42* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *84.7%* | *60-140* | | | | | *08/02/2022 18:42* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *89.7%* | *60-140* | | | | | *08/02/2022 18:42* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *128%* | *60-140* | | | | | *08/02/2022 18:42* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *27.6% S* | *60-140* | | | | | *08/02/2022 18:42* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.447U | mg/kg dry | 1 | 0.447 | 5.55 | BFH2149 | 08/19/2022 10:03 | TBB |
| EPA 200.8 | Arsenic | N | 9.07 | mg/kg dry | 1 | 0.682 | 2.77 | BFH2149 | 08/19/2022 10:03 | TBB |
| EPA 200.8 | Beryllium | N | <0.0555U | mg/kg dry | 1 | 0.0555 | 1.11 | BFH2149 | 08/19/2022 10:03 | TBB |
| EPA 200.8 | Cadmium | N | 0.564J | mg/kg dry | 1 | 0.175 | 5.55 | BFH2149 | 08/19/2022 10:03 | TBB |
| EPA 200.8 | Chromium | N | <0.408U | mg/kg dry | 1 | 0.408 | 16.6 | BFH2149 | 08/19/2022 10:03 | TBB |
| EPA 200.8 | Copper | N | 13.5 | mg/kg dry | 1 | 0.483 | 5.55 | BFH2149 | 08/19/2022 10:03 | TBB |
| Calc | Chromium (III) | | <22.3U | mg/kg (dry wt) dry | 1 | 22.3 | 78.4 | [CALC] | 08/19/2022 10:03 | EM |
| SW-7196 | Chromium (VI) | N | <21.9U | mg/kg (dry wt) dry | 1 | 21.9 | 61.7 | BFG2026 | 07/15/2022 17:57 | EM |
| EPA 200.8 | Lead | N | 0.577J | mg/kg dry | 1 | 0.419 | 2.77 | BFH2149 | 08/19/2022 10:03 | TBB |
| EPA 200.8 | Nickel | N | 3.67J | mg/kg dry | 1 | 0.0982 | 5.55 | BFH2149 | 08/19/2022 10:03 | TBB |
| EPA 200.8 | Selenium | N | <6.10U | mg/kg dry | 1 | 6.10 | 27.7 | BFH2149 | 08/19/2022 10:03 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 1-1 (Continued)
Lab Sample ID: 22F4225-01
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Silver | N | 0.160 | J | mg/kg dry | 1 | 0.0394 | 2.77 | BFH2149 | 08/19/2022 10:03 | TBB |
| EPA 200.8 | Thallium | N | <0.0383 | U | mg/kg dry | 1 | 0.0383 | 2.77 | BFH2149 | 08/19/2022 10:03 | TBB |
| EPA 200.8 | Zinc | N | 133 | | mg/kg dry | 1 | 2.08 | 11.1 | BFH2149 | 08/19/2022 10:03 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 8.65 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 1-1
Lab Sample ID: 22F4225-01RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0555 | B, U | mg/kg dry | 1 | 0.0555 | 0.111 | BFH2628 | 08/18/2022 19:14 | NAZ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 1-2
Lab Sample ID: 22F4225-02
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <60.3U | ug/kg dry | 1 | 60.3 | 60.3 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Acenaphthene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Acenaphthylene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Anthracene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <60.3U | ug/kg dry | 1 | 60.3 | 60.3 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <30.2B, U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Chrysene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 59.6V | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Fluoranthene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Fluorene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Naphthalene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Phenanthrene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Phenol, Total | A | 320V | ug/kg dry | 1 | 60.3 | 60.3 | BFG2359 | 08/02/2022 19:16 | KRB |
| SW-8270 | Pyrene | A | <30.2U | ug/kg dry | 1 | 30.2 | 30.2 | BFG2359 | 08/02/2022 19:16 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *47.8% S* | *60-140* | | | | | *08/02/2022 19:16* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *69.2%* | *60-140* | | | | | *08/02/2022 19:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *85.3%* | *60-140* | | | | | *08/02/2022 19:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *78.4%* | *60-140* | | | | | *08/02/2022 19:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *121%* | *60-140* | | | | | *08/02/2022 19:16* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *27.5% S* | *60-140* | | | | | *08/02/2022 19:16* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.494U | mg/kg dry | 1 | 0.494 | 6.13 | BFH1110 | 08/15/2022 11:15 | TBB |
| EPA 200.8 | Arsenic | N | 8.69 | mg/kg dry | 1 | 0.754 | 3.07 | BFH1110 | 08/15/2022 11:15 | TBB |
| EPA 200.8 | Beryllium | N | <0.0613U | mg/kg dry | 1 | 0.0613 | 1.23 | BFH1110 | 08/23/2022 15:47 | TBB |
| EPA 200.8 | Cadmium | N | 0.528J | mg/kg dry | 1 | 0.194 | 6.13 | BFH1110 | 08/15/2022 11:15 | TBB |
| EPA 200.8 | Chromium | N | <0.451U | mg/kg dry | 1 | 0.451 | 18.4 | BFH1110 | 08/15/2022 11:15 | TBB |
| EPA 200.8 | Copper | N | 13.0 | mg/kg dry | 1 | 0.534 | 6.13 | BFH1110 | 08/15/2022 11:15 | TBB |
| Calc | Chromium (III) | | <22.3U | mg/kg (dry wt) dry | 1 | 22.3 | 80.0 | [CALC] | 08/15/2022 11:15 | EM |
| SW-7196 | Chromium (VI) | N | <21.8U | mg/kg (dry wt) dry | 1 | 21.8 | 61.6 | BFG2026 | 07/15/2022 17:58 | EM |
| SW-7471B | Mercury | A | <0.0571U | mg/kg dry | 1 | 0.0571 | 0.114 | BFH0373 | 08/03/2022 17:11 | EM |
| EPA 200.8 | Lead | N | <0.463U | mg/kg dry | 1 | 0.463 | 3.07 | BFH1110 | 08/15/2022 11:15 | TBB |
| EPA 200.8 | Nickel | N | 3.42J | mg/kg dry | 1 | 0.109 | 6.13 | BFH1110 | 08/15/2022 11:15 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 1-2 (Continued)
Lab Sample ID: 22F4225-02
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Selenium | N | <6.75 | U | mg/kg dry | 1 | 6.75 | 30.7 | BFH1110 | 08/23/2022 15:47 | TBB |
| EPA 200.8 | Silver | N | 0.131 | J | mg/kg dry | 1 | 0.0436 | 3.07 | BFH1110 | 08/15/2022 11:15 | TBB |
| EPA 200.8 | Thallium | N | <0.0423 | U | mg/kg dry | 1 | 0.0423 | 3.07 | BFH1110 | 08/15/2022 11:15 | TBB |
| EPA 200.8 | Zinc | N | 118 | | mg/kg dry | 1 | 2.30 | 12.3 | BFH1110 | 08/16/2022 10:57 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 8.02 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 1-3
Lab Sample ID: 22F4225-03
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <45.9U | ug/kg dry | 1 | 45.9 | 45.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Acenaphthene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Acenaphthylene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Anthracene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <45.9U | ug/kg dry | 1 | 45.9 | 45.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <22.9B, U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Chrysene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <22.9B, U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Fluoranthene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Fluorene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Naphthalene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Phenanthrene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Phenol, Total | A | 332V | ug/kg dry | 1 | 45.9 | 45.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| SW-8270 | Pyrene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/02/2022 19:50 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *59.5% S* | *60-140* | | | | | *08/02/2022 19:50* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *71.3%* | *60-140* | | | | | *08/02/2022 19:50* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *82.9%* | *60-140* | | | | | *08/02/2022 19:50* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *103%* | *60-140* | | | | | *08/02/2022 19:50* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *115%* | *60-140* | | | | | *08/02/2022 19:50* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *31.3% S* | *60-140* | | | | | *08/02/2022 19:50* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.414U | mg/kg dry | 1 | 0.414 | 5.15 | BFH2149 | 08/19/2022 10:06 | TBB |
| EPA 200.8 | Arsenic | N | 11.7 | mg/kg dry | 1 | 0.633 | 2.57 | BFH2149 | 08/19/2022 10:06 | TBB |
| EPA 200.8 | Beryllium | N | <0.0515U | mg/kg dry | 1 | 0.0515 | 1.03 | BFH2149 | 08/19/2022 10:06 | TBB |
| EPA 200.8 | Cadmium | N | 0.552J | mg/kg dry | 1 | 0.163 | 5.15 | BFH2149 | 08/19/2022 10:06 | TBB |
| EPA 200.8 | Chromium | N | <0.378U | mg/kg dry | 1 | 0.378 | 15.4 | BFH2149 | 08/19/2022 10:06 | TBB |
| EPA 200.8 | Copper | N | 16.4 | mg/kg dry | 1 | 0.448 | 5.15 | BFH2149 | 08/19/2022 10:06 | TBB |
| Calc | Chromium (III) | | <21.0U | mg/kg (dry wt) dry | 1 | 21.0 | 73.6 | [CALC] | 08/19/2022 10:06 | EM |
| SW-7196 | Chromium (VI) | N | <20.6U | mg/kg (dry wt) dry | 1 | 20.6 | 58.1 | BFG2026 | 07/15/2022 17:59 | EM |
| EPA 200.8 | Lead | N | 0.428J | mg/kg dry | 1 | 0.389 | 2.57 | BFH2149 | 08/19/2022 10:06 | TBB |
| EPA 200.8 | Nickel | N | 4.65J | mg/kg dry | 1 | 0.0911 | 5.15 | BFH2149 | 08/19/2022 10:06 | TBB |
| EPA 200.8 | Selenium | N | <5.66U | mg/kg dry | 1 | 5.66 | 25.7 | BFH2149 | 08/19/2022 10:06 | TBB |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 1-3 (Continued)
Lab Sample ID: 22F4225-03
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Silver | N | 0.215 | J | mg/kg dry | 1 | 0.0365 | 2.57 | BFH2149 | 08/19/2022 10:06 | TBB |
| EPA 200.8 | Thallium | N | <0.0355 | U | mg/kg dry | 1 | 0.0355 | 2.57 | BFH2149 | 08/19/2022 10:06 | TBB |
| EPA 200.8 | Zinc | N | 170 | | mg/kg dry | 1 | 1.93 | 10.3 | BFH2149 | 08/19/2022 10:06 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.11 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 1-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-03RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0536 | B, U | mg/kg dry | 1 | 0.0536 | 0.107 | BFH2628 | 08/18/2022 19:27 | NAZ |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 1-4
Lab Sample ID: 22F4225-04
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <55.3U | ug/kg dry | 1 | 55.3 | 55.3 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Acenaphthene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Acenaphthylene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Anthracene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <55.3U | ug/kg dry | 1 | 55.3 | 55.3 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <27.7B, U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Chrysene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 28.7V | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Fluoranthene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Fluorene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Naphthalene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Phenanthrene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Phenol, Total | A | 420V | ug/kg dry | 1 | 55.3 | 55.3 | BFG2359 | 08/02/2022 20:25 | KRB |
| SW-8270 | Pyrene | A | <27.7U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2359 | 08/02/2022 20:25 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *51.4% S* | *60-140* | | | | | *08/02/2022 20:25* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *60.4%* | *60-140* | | | | | *08/02/2022 20:25* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *83.0%* | *60-140* | | | | | *08/02/2022 20:25* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *98.6%* | *60-140* | | | | | *08/02/2022 20:25* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *107%* | *60-140* | | | | | *08/02/2022 20:25* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *44.4% S* | *60-140* | | | | | *08/02/2022 20:25* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.359U | mg/kg dry | 1 | 0.359 | 4.46 | BFH2149 | 08/19/2022 10:08 | TBB |
| EPA 200.8 | Arsenic | N | 10.8 | mg/kg dry | 1 | 0.548 | 2.23 | BFH2149 | 08/19/2022 10:08 | TBB |
| EPA 200.8 | Beryllium | N | <0.0446U | mg/kg dry | 1 | 0.0446 | 0.892 | BFH2149 | 08/19/2022 10:08 | TBB |
| EPA 200.8 | Cadmium | N | 0.693J | mg/kg dry | 1 | 0.141 | 4.46 | BFH2149 | 08/19/2022 10:08 | TBB |
| EPA 200.8 | Chromium | N | <0.328U | mg/kg dry | 1 | 0.328 | 13.4 | BFH2149 | 08/19/2022 10:08 | TBB |
| EPA 200.8 | Copper | N | 16.3 | mg/kg dry | 1 | 0.388 | 4.46 | BFH2149 | 08/19/2022 10:08 | TBB |
| Calc | Chromium (III) | | <19.4U | mg/kg (dry wt) dry | 1 | 19.4 | 67.1 | [CALC] | 08/19/2022 10:08 | EM |
| SW-7196 | Chromium (VI) | N | <19.0U | mg/kg (dry wt) dry | 1 | 19.0 | 53.7 | BFG2026 | 07/15/2022 18:01 | EM |
| EPA 200.8 | Lead | N | 0.622J | mg/kg dry | 1 | 0.337 | 2.23 | BFH2149 | 08/19/2022 10:08 | TBB |
| EPA 200.8 | Nickel | N | 4.08J | mg/kg dry | 1 | 0.0789 | 4.46 | BFH2149 | 08/19/2022 10:08 | TBB |
| EPA 200.8 | Selenium | N | <4.90U | mg/kg dry | 1 | 4.90 | 22.3 | BFH2149 | 08/19/2022 10:08 | TBB |

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## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 1-4 (Continued)
Lab Sample ID: 22F4225-04
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Silver | N | 0.209 | J | mg/kg dry | 1 | 0.0317 | 2.23 | BFH2149 | 08/19/2022 10:08 | TBB |
| EPA 200.8 | Thallium | N | <0.0308 | U | mg/kg dry | 1 | 0.0308 | 2.23 | BFH2149 | 08/19/2022 10:08 | TBB |
| EPA 200.8 | Zinc | N | 147 | | mg/kg dry | 2 | 3.35 | 17.8 | BFH2149 | 08/19/2022 11:08 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 8.91 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 1-4
Lab Sample ID: 22F4225-04RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0539 | B, U | mg/kg dry | 1 | 0.0539 | 0.108 | BFH2628 | 08/18/2022 19:30 | NAZ |

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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 1-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-05 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <50.4U | ug/kg dry | 1 | 50.4 | 50.4 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Acenaphthene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Acenaphthylene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Anthracene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <50.4U | ug/kg dry | 1 | 50.4 | 50.4 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <25.2B, U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Chrysene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 28.8V | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Fluoranthene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Fluorene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Naphthalene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Phenanthrene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Phenol, Total | A | 443V | ug/kg dry | 1 | 50.4 | 50.4 | BFG2359 | 08/02/2022 20:59 | KRB |
| SW-8270 | Pyrene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/02/2022 20:59 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *44.6% S* | *60-140* | | | | | *08/02/2022 20:59* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *53.5% S* | *60-140* | | | | | *08/02/2022 20:59* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *88.7%* | *60-140* | | | | | *08/02/2022 20:59* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *94.0%* | *60-140* | | | | | *08/02/2022 20:59* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *119%* | *60-140* | | | | | *08/02/2022 20:59* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *32.2% S* | *60-140* | | | | | *08/02/2022 20:59* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.384U | mg/kg dry | 1 | 0.384 | 4.77 | BFH2043 | 08/17/2022 15:28 | TBB |
| EPA 200.8 | Arsenic | N | 9.64 | mg/kg dry | 1 | 0.586 | 2.38 | BFH2043 | 08/17/2022 16:58 | TBB |
| EPA 200.8 | Beryllium | N | <0.0477U | mg/kg dry | 1 | 0.0477 | 0.954 | BFH2043 | 08/17/2022 15:28 | TBB |
| EPA 200.8 | Cadmium | N | 0.573J | mg/kg dry | 1 | 0.151 | 4.77 | BFH2043 | 08/17/2022 15:28 | TBB |
| EPA 200.8 | Chromium | N | 0.368J | mg/kg dry | 1 | 0.350 | 14.3 | BFH2043 | 08/17/2022 15:28 | TBB |
| EPA 200.8 | Copper | N | 14.4 | mg/kg dry | 1 | 0.415 | 4.77 | BFH2043 | 08/17/2022 15:28 | TBB |
| Calc | Chromium (III) | | <19.7U | mg/kg (dry wt) dry | 1 | 19.7 | 69.0 | [CALC] | 08/17/2022 15:28 | EM |
| SW-7196 | Chromium (VI) | N | <19.4U | mg/kg (dry wt) dry | 1 | 19.4 | 54.7 | BFG3191 | 07/25/2022 17:47 | EM |
| EPA 200.8 | Lead | N | 0.497J | mg/kg dry | 1 | 0.360 | 2.38 | BFH2043 | 08/17/2022 15:28 | TBB |
| EPA 200.8 | Nickel | N | 3.64J | mg/kg dry | 1 | 0.0844 | 4.77 | BFH2043 | 08/17/2022 15:28 | TBB |
| EPA 200.8 | Selenium | N | <5.24U | mg/kg dry | 1 | 5.24 | 23.8 | BFH2043 | 08/25/2022 09:25 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 1-5 (Continued)
Lab Sample ID: 22F4225-05
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Silver | N | 0.218 | J | mg/kg dry | 1 | 0.0339 | 2.38 | BFH2043 | 08/17/2022 15:28 | TBB |
| EPA 200.8 | Thallium | N | <0.0329 | U | mg/kg dry | 1 | 0.0329 | 2.38 | BFH2043 | 08/17/2022 16:58 | TBB |
| EPA 200.8 | Zinc | N | 158 | | mg/kg dry | 2 | 3.58 | 19.1 | BFH2043 | 08/22/2022 17:35 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.32 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 1-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-05RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0532 | B, U | mg/kg dry | 1 | 0.0532 | 0.106 | BFH2628 | 08/18/2022 19:17 | NAZ |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 2-1
Lab Sample ID: 22F4225-06
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <41.4U | ug/kg dry | 1 | 41.4 | 41.4 | BFG2556 | 08/11/2022 17:41 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 35.1V | ug/kg dry | 1 | 20.7 | 20.7 | BFG2556 | 08/11/2022 17:41 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 84.4V | ug/kg dry | 1 | 20.7 | 20.7 | BFG2556 | 08/11/2022 17:41 | KRB |
| SW-8270 | Phenol, Total | A | 142V | ug/kg dry | 1 | 41.4 | 41.4 | BFG2556 | 08/11/2022 17:41 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *7.88% S* | *60-140* | | | | | *08/11/2022 17:41* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *81.1%* | *60-140* | | | | | *08/11/2022 17:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *55.4% S* | *60-140* | | | | | *08/11/2022 17:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *80.2%* | *60-140* | | | | | *08/11/2022 17:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *93.6%* | *60-140* | | | | | *08/11/2022 17:41* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *67.0%* | *60-140* | | | | | *08/11/2022 17:41* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.340U | mg/kg dry | 1 | 0.340 | 4.22 | BFH2148 | 08/18/2022 18:03 | TBB |
| EPA 200.8 | Arsenic | N | 17.4 | mg/kg dry | 1 | 0.519 | 2.11 | BFH2148 | 08/18/2022 18:03 | TBB |
| EPA 200.8 | Beryllium | N | <0.0422U | mg/kg dry | 1 | 0.0422 | 0.843 | BFH2148 | 08/23/2022 18:54 | TBB |
| EPA 200.8 | Cadmium | N | 0.293J | mg/kg dry | 1 | 0.133 | 4.22 | BFH2148 | 08/18/2022 18:03 | TBB |
| EPA 200.8 | Chromium | N | <0.310U | mg/kg dry | 1 | 0.310 | 12.7 | BFH2148 | 08/19/2022 12:07 | TBB |
| EPA 200.8 | Copper | N | 11.2 | mg/kg dry | 1 | 0.367 | 4.22 | BFH2148 | 08/19/2022 12:07 | TBB |
| Calc | Chromium (III) | | <15.7U | mg/kg (dry wt) dry | 1 | 15.7 | 56.0 | [CALC] | 08/19/2022 12:07 | EM |
| SW-7196 | Chromium (VI) | N | <15.4U | mg/kg (dry wt) dry | 1 | 15.4 | 43.4 | BFG3191 | 07/25/2022 17:51 | EM |
| SW-7471B | Mercury | A | <0.0439B, U | mg/kg dry | 1 | 0.0439 | 0.0878 | BFH2628 | 08/18/2022 19:34 | NAZ |
| EPA 200.8 | Lead | N | 0.804J | mg/kg dry | 1 | 0.318 | 2.11 | BFH2148 | 08/18/2022 18:03 | TBB |
| EPA 200.8 | Nickel | N | 2.95J | mg/kg dry | 1 | 0.0746 | 4.22 | BFH2148 | 08/19/2022 12:07 | TBB |
| EPA 200.8 | Selenium | N | <4.64U | mg/kg dry | 1 | 4.64 | 21.1 | BFH2148 | 08/19/2022 12:07 | TBB |
| EPA 200.8 | Silver | N | 0.163J | mg/kg dry | 1 | 0.0299 | 2.11 | BFH2148 | 08/23/2022 14:07 | TBB |
| EPA 200.8 | Thallium | N | <0.0291U | mg/kg dry | 1 | 0.0291 | 2.11 | BFH2148 | 08/18/2022 18:03 | TBB |
| EPA 200.8 | Zinc | N | 103 | mg/kg dry | 1 | 1.58 | 8.43 | BFH2148 | 08/19/2022 12:07 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 11.4 | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 2-2
Lab Sample ID: 22F4225-07
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <44.5 | U | ug/kg dry | 1 | 44.5 | 44.5 | BFG2556 | 08/11/2022 18:16 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <22.2 | B, U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2556 | 08/11/2022 18:16 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 53.1 | V | ug/kg dry | 1 | 22.2 | 22.2 | BFG2556 | 08/11/2022 18:16 | KRB |
| SW-8270 | Phenol, Total | A | 251 | V | ug/kg dry | 1 | 44.5 | 44.5 | BFG2556 | 08/11/2022 18:16 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *27.3%* | *S* | *60-140* | | | | | *08/11/2022 18:16* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *84.8%* | | *60-140* | | | | | *08/11/2022 18:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *74.5%* | | *60-140* | | | | | *08/11/2022 18:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *88.3%* | | *60-140* | | | | | *08/11/2022 18:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *111%* | | *60-140* | | | | | *08/11/2022 18:16* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *52.8%* | *S* | *60-140* | | | | | *08/11/2022 18:16* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.315 | U | mg/kg dry | 1 | 0.315 | 3.92 | BFH2149 | 08/19/2022 10:10 | TBB |
| EPA 200.8 | Arsenic | N | 12.3 | | mg/kg dry | 1 | 0.482 | 1.96 | BFH2149 | 08/19/2022 10:10 | TBB |
| EPA 200.8 | Beryllium | N | <0.0392 | U | mg/kg dry | 1 | 0.0392 | 0.784 | BFH2149 | 08/19/2022 10:10 | TBB |
| EPA 200.8 | Cadmium | N | 0.644 | J | mg/kg dry | 1 | 0.124 | 3.92 | BFH2149 | 08/19/2022 10:10 | TBB |
| EPA 200.8 | Chromium | N | 0.304 | J | mg/kg dry | 1 | 0.288 | 11.8 | BFH2149 | 08/19/2022 10:10 | TBB |
| EPA 200.8 | Copper | N | 13.9 | | mg/kg dry | 1 | 0.341 | 3.92 | BFH2149 | 08/19/2022 10:10 | TBB |
| Calc | Chromium (III) | | <17.1 | U | mg/kg (dry wt) dry | 1 | 17.1 | 59.3 | [CALC] | 08/19/2022 10:10 | EM |
| SW-7196 | Chromium (VI) | N | <16.8 | U | mg/kg (dry wt) dry | 1 | 16.8 | 47.6 | BFG2026 | 07/15/2022 18:02 | EM |
| SW-7471B | Mercury | A | <0.0353 | U | mg/kg dry | 1 | 0.0353 | 0.0706 | BFH1159 | 08/09/2022 17:53 | NAZ |
| EPA 200.8 | Lead | N | 0.434 | J | mg/kg dry | 1 | 0.296 | 1.96 | BFH2149 | 08/19/2022 10:10 | TBB |
| EPA 200.8 | Nickel | N | 3.91 | J | mg/kg dry | 1 | 0.0693 | 3.92 | BFH2149 | 08/19/2022 10:10 | TBB |
| EPA 200.8 | Selenium | N | <4.31 | U | mg/kg dry | 1 | 4.31 | 19.6 | BFH2149 | 08/19/2022 10:10 | TBB |
| EPA 200.8 | Silver | N | 0.156 | J | mg/kg dry | 1 | 0.0278 | 1.96 | BFH2149 | 08/19/2022 10:10 | TBB |
| EPA 200.8 | Thallium | N | <0.0270 | U | mg/kg dry | 1 | 0.0270 | 1.96 | BFH2149 | 08/19/2022 10:10 | TBB |
| EPA 200.8 | Zinc | N | 131 | | mg/kg dry | 2 | 2.94 | 15.7 | BFH2149 | 08/19/2022 11:11 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 11.2 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 2-3
Lab Sample ID: 22F4225-08
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <43.4U | ug/kg dry | 1 | 43.4 | 43.4 | BFG2556 | 08/11/2022 18:50 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <21.7B, U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2556 | 08/11/2022 18:50 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 62.4V | ug/kg dry | 1 | 21.7 | 21.7 | BFG2556 | 08/11/2022 18:50 | KRB |
| SW-8270 | Phenol, Total | A | 88.7V | ug/kg dry | 1 | 43.4 | 43.4 | BFG2556 | 08/11/2022 18:50 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *11.7% S* | *60-140* | | | | | *08/11/2022 18:50* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *86.7%* | *60-140* | | | | | *08/11/2022 18:50* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *61.6%* | *60-140* | | | | | *08/11/2022 18:50* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *80.5%* | *60-140* | | | | | *08/11/2022 18:50* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *79.0%* | *60-140* | | | | | *08/11/2022 18:50* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *52.7% S* | *60-140* | | | | | *08/11/2022 18:50* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.323U | mg/kg dry | 1 | 0.323 | 4.01 | BFH2043 | 08/17/2022 15:30 | TBB |
| EPA 200.8 | Arsenic | N | 9.58 | mg/kg dry | 1 | 0.493 | 2.00 | BFH2043 | 08/17/2022 17:00 | TBB |
| EPA 200.8 | Beryllium | N | <0.0401U | mg/kg dry | 1 | 0.0401 | 0.801 | BFH2043 | 08/17/2022 15:30 | TBB |
| EPA 200.8 | Cadmium | N | 0.584J | mg/kg dry | 1 | 0.127 | 4.01 | BFH2043 | 08/17/2022 15:30 | TBB |
| EPA 200.8 | Chromium | N | <0.295U | mg/kg dry | 1 | 0.295 | 12.0 | BFH2043 | 08/17/2022 15:30 | TBB |
| EPA 200.8 | Copper | N | 12.0 | mg/kg dry | 1 | 0.349 | 4.01 | BFH2043 | 08/17/2022 15:30 | TBB |
| Calc | Chromium (III) | | <18.4U | mg/kg (dry wt) dry | 1 | 18.4 | 63.3 | [CALC] | 08/17/2022 15:30 | EM |
| SW-7196 | Chromium (VI) | N | 20.8J | mg/kg (dry wt) dry | 1 | 18.1 | 51.2 | BFG2026 | 07/15/2022 18:03 | EM |
| SW-7471B | Mercury | A | <0.0432U | mg/kg dry | 1 | 0.0432 | 0.0864 | BFH0643 | 08/04/2022 16:35 | EM |
| EPA 200.8 | Lead | N | 0.634J | mg/kg dry | 1 | 0.303 | 2.00 | BFH2043 | 08/17/2022 15:30 | TBB |
| EPA 200.8 | Nickel | N | 3.73J | mg/kg dry | 1 | 0.0709 | 4.01 | BFH2043 | 08/17/2022 15:30 | TBB |
| EPA 200.8 | Selenium | N | <4.41U | mg/kg dry | 1 | 4.41 | 20.0 | BFH2043 | 08/25/2022 09:28 | TBB |
| EPA 200.8 | Silver | N | 0.213J | mg/kg dry | 1 | 0.0285 | 2.00 | BFH2043 | 08/17/2022 15:30 | TBB |
| EPA 200.8 | Thallium | N | <0.0277U | mg/kg dry | 1 | 0.0277 | 2.00 | BFH2043 | 08/17/2022 17:00 | TBB |
| EPA 200.8 | Zinc | N | 144 | mg/kg dry | 2 | 3.01 | 16.0 | BFH2043 | 08/22/2022 17:37 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.92 | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 2-4
Lab Sample ID: 22F4225-09
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <54.4 | U | ug/kg dry | 1 | 54.4 | 54.4 | BFG2556 | 08/11/2022 19:24 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 35.0 | V | ug/kg dry | 1 | 27.2 | 27.2 | BFG2556 | 08/11/2022 19:24 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 551 | V | ug/kg dry | 1 | 27.2 | 27.2 | BFG2556 | 08/11/2022 19:24 | KRB |
| SW-8270 | Phenol, Total | A | 283 | V | ug/kg dry | 1 | 54.4 | 54.4 | BFG2556 | 08/11/2022 19:24 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *16.0%* | *S* | *60-140* | | | | | *08/11/2022 19:24* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *67.9%* | | *60-140* | | | | | *08/11/2022 19:24* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *80.5%* | | *60-140* | | | | | *08/11/2022 19:24* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *82.0%* | | *60-140* | | | | | *08/11/2022 19:24* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *107%* | | *60-140* | | | | | *08/11/2022 19:24* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *53.0%* | *S* | *60-140* | | | | | *08/11/2022 19:24* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.403 | U | mg/kg dry | 1 | 0.403 | 5.01 | BFH2043 | 08/17/2022 15:32 | TBB |
| EPA 200.8 | Arsenic | N | 10.3 | | mg/kg dry | 1 | 0.616 | 2.50 | BFH2043 | 08/17/2022 17:03 | TBB |
| EPA 200.8 | Beryllium | N | <0.0501 | U | mg/kg dry | 1 | 0.0501 | 1.00 | BFH2043 | 08/17/2022 15:32 | TBB |
| EPA 200.8 | Cadmium | N | 0.574 | J | mg/kg dry | 1 | 0.158 | 5.01 | BFH2043 | 08/17/2022 15:32 | TBB |
| EPA 200.8 | Chromium | N | <0.368 | U | mg/kg dry | 1 | 0.368 | 15.0 | BFH2043 | 08/17/2022 15:32 | TBB |
| EPA 200.8 | Copper | N | 12.9 | | mg/kg dry | 1 | 0.436 | 5.01 | BFH2043 | 08/17/2022 15:32 | TBB |
| Calc | Chromium (III) | | <17.9 | U | mg/kg (dry wt) dry | 1 | 17.9 | 64.5 | [CALC] | 08/17/2022 15:32 | EM |
| SW-7196 | Chromium (VI) | N | <17.5 | U | mg/kg (dry wt) dry | 1 | 17.5 | 49.5 | BFG2026 | 07/15/2022 18:04 | EM |
| SW-7471B | Mercury | A | <0.0553 | U | mg/kg dry | 1 | 0.0553 | 0.111 | BFH1159 | 08/09/2022 18:07 | NAZ |
| EPA 200.8 | Lead | N | 0.457 | J | mg/kg dry | 1 | 0.378 | 2.50 | BFH2043 | 08/17/2022 15:32 | TBB |
| EPA 200.8 | Nickel | N | 3.08 | J | mg/kg dry | 1 | 0.0886 | 5.01 | BFH2043 | 08/17/2022 15:32 | TBB |
| EPA 200.8 | Selenium | N | <5.51 | U | mg/kg dry | 1 | 5.51 | 25.0 | BFH2043 | 08/25/2022 09:31 | TBB |
| EPA 200.8 | Silver | N | 0.164 | J | mg/kg dry | 1 | 0.0356 | 2.50 | BFH2043 | 08/17/2022 15:32 | TBB |
| EPA 200.8 | Thallium | N | <0.0346 | U | mg/kg dry | 1 | 0.0346 | 2.50 | BFH2043 | 08/17/2022 17:03 | TBB |
| EPA 200.8 | Zinc | N | 162 | | mg/kg dry | 1 | 1.88 | 10.0 | BFH2043 | 08/22/2022 16:41 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 8.75 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 2-5
Lab Sample ID: 22F4225-10
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <41.1 | U | ug/kg dry | 1 | 41.1 | 41.1 | BFG2556 | 08/11/2022 19:58 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 26.7 | V | ug/kg dry | 1 | 20.6 | 20.6 | BFG2556 | 08/11/2022 19:58 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 76.5 | V | ug/kg dry | 1 | 20.6 | 20.6 | BFG2556 | 08/11/2022 19:58 | KRB |
| SW-8270 | Phenol, Total | A | 282 | V | ug/kg dry | 1 | 41.1 | 41.1 | BFG2556 | 08/11/2022 19:58 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *15.4%* | *S* | *60-140* | | | | | *08/11/2022 19:58* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *65.5%* | | *60-140* | | | | | *08/11/2022 19:58* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *73.3%* | | *60-140* | | | | | *08/11/2022 19:58* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *86.0%* | | *60-140* | | | | | *08/11/2022 19:58* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *112%* | | *60-140* | | | | | *08/11/2022 19:58* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *47.3%* | *S* | *60-140* | | | | | *08/11/2022 19:58* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.259 | U | mg/kg dry | 1 | 0.259 | 3.21 | BFH2043 | 08/17/2022 15:35 | TBB |
| EPA 200.8 | Arsenic | N | 8.84 | | mg/kg dry | 1 | 0.395 | 1.61 | BFH2043 | 08/17/2022 17:12 | TBB |
| EPA 200.8 | Beryllium | N | <0.0321 | U | mg/kg dry | 1 | 0.0321 | 0.643 | BFH2043 | 08/17/2022 15:35 | TBB |
| EPA 200.8 | Cadmium | N | 0.486 | J | mg/kg dry | 1 | 0.102 | 3.21 | BFH2043 | 08/17/2022 15:35 | TBB |
| EPA 200.8 | Chromium | N | <0.236 | U | mg/kg dry | 1 | 0.236 | 9.64 | BFH2043 | 08/17/2022 15:35 | TBB |
| EPA 200.8 | Copper | N | 11.5 | | mg/kg dry | 1 | 0.280 | 3.21 | BFH2043 | 08/17/2022 15:35 | TBB |
| Calc | Chromium (III) | | <15.4 | U | mg/kg (dry wt) dry | 1 | 15.4 | 52.6 | [CALC] | 08/17/2022 15:35 | EM |
| SW-7196 | Chromium (VI) | N | <15.2 | U | mg/kg (dry wt) dry | 1 | 15.2 | 42.9 | BFG2026 | 07/15/2022 18:05 | EM |
| SW-7471B | Mercury | A | <0.0364 | U | mg/kg dry | 1 | 0.0364 | 0.0729 | BFH1159 | 08/09/2022 18:10 | NAZ |
| EPA 200.8 | Lead | N | 0.412 | J | mg/kg dry | 1 | 0.243 | 1.61 | BFH2043 | 08/17/2022 15:35 | TBB |
| EPA 200.8 | Nickel | N | 3.38 | | mg/kg dry | 1 | 0.0569 | 3.21 | BFH2043 | 08/17/2022 15:35 | TBB |
| EPA 200.8 | Selenium | N | <3.54 | U | mg/kg dry | 1 | 3.54 | 16.1 | BFH2043 | 08/25/2022 09:41 | TBB |
| EPA 200.8 | Silver | N | 0.147 | J | mg/kg dry | 1 | 0.0228 | 1.61 | BFH2043 | 08/17/2022 15:35 | TBB |
| EPA 200.8 | Thallium | N | <0.0222 | U | mg/kg dry | 1 | 0.0222 | 1.61 | BFH2043 | 08/17/2022 17:12 | TBB |
| EPA 200.8 | Zinc | N | 153 | | mg/kg dry | 2 | 2.41 | 12.9 | BFH2043 | 08/22/2022 17:39 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 11.6 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 3-1
Lab Sample ID: 22F4225-11
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <41.9U | ug/kg dry | 1 | 41.9 | 41.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Acenaphthene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Acenaphthylene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Anthracene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <41.9U | ug/kg dry | 1 | 41.9 | 41.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <20.9B, U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Chrysene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <20.9B, U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Fluoranthene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Fluorene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Naphthalene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Phenanthrene | A | 61.8 | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Phenol, Total | A | 270V | ug/kg dry | 1 | 41.9 | 41.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| SW-8270 | Pyrene | A | <20.9U | ug/kg dry | 1 | 20.9 | 20.9 | BFG2359 | 08/02/2022 21:33 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *47.4% S* | *60-140* | | | | | *08/02/2022 21:33* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *71.5%* | *60-140* | | | | | *08/02/2022 21:33* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *81.4%* | *60-140* | | | | | *08/02/2022 21:33* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *94.8%* | *60-140* | | | | | *08/02/2022 21:33* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *104%* | *60-140* | | | | | *08/02/2022 21:33* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *45.4% S* | *60-140* | | | | | *08/02/2022 21:33* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.309U | mg/kg dry | 1 | 0.309 | 3.84 | BFH2043 | 08/22/2022 16:53 | TBB |
| EPA 200.8 | Arsenic | N | 9.33 | mg/kg dry | 1 | 0.472 | 1.92 | BFH2043 | 08/17/2022 17:14 | TBB |
| EPA 200.8 | Beryllium | N | <0.0384U | mg/kg dry | 1 | 0.0384 | 0.767 | BFH2043 | 08/25/2022 11:40 | TBB |
| EPA 200.8 | Cadmium | N | 0.479J | mg/kg dry | 1 | 0.121 | 3.84 | BFH2043 | 08/17/2022 17:14 | TBB |
| EPA 200.8 | Chromium | N | <0.282U | mg/kg dry | 1 | 0.282 | 11.5 | BFH2043 | 08/17/2022 17:14 | TBB |
| EPA 200.8 | Copper | N | 12.8 | mg/kg dry | 1 | 0.334 | 3.84 | BFH2043 | 08/17/2022 17:14 | TBB |
| Calc | Chromium (III) | | <15.8U | mg/kg (dry wt) dry | 1 | 15.8 | 55.5 | [CALC] | 08/17/2022 17:14 | EM |
| SW-7196 | Chromium (VI) | N | <15.6U | mg/kg (dry wt) dry | 1 | 15.6 | 44.0 | BFG2026 | 07/15/2022 18:06 | EM |
| SW-7471B | Mercury | A | <0.0386U | mg/kg dry | 1 | 0.0386 | 0.0773 | BFH1159 | 08/09/2022 18:13 | NAZ |
| EPA 200.8 | Lead | N | 0.572J | mg/kg dry | 1 | 0.290 | 1.92 | BFH2043 | 08/22/2022 16:53 | TBB |
| EPA 200.8 | Nickel | N | 2.51J | mg/kg dry | 1 | 0.0679 | 3.84 | BFH2043 | 08/17/2022 17:14 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 3-1 (Continued)
Lab Sample ID: 22F4225-11
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Selenium | N | <4.22 | U | mg/kg dry | 1 | 4.22 | 19.2 | BFH2043 | 08/25/2022 09:43 | TBB |
| EPA 200.8 | Silver | N | 0.137 | J | mg/kg dry | 1 | 0.0272 | 1.92 | BFH2043 | 08/17/2022 17:14 | TBB |
| EPA 200.8 | Thallium | N | <0.0265 | U | mg/kg dry | 1 | 0.0265 | 1.92 | BFH2043 | 08/17/2022 17:14 | TBB |
| EPA 200.8 | Zinc | N | 133 | | mg/kg dry | 2 | 2.88 | 15.3 | BFH2043 | 08/22/2022 17:42 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 11.9 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 3-2
Lab Sample ID: 22F4225-12
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <43.8U | ug/kg dry | 1 | 43.8 | 43.8 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Acenaphthene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Acenaphthylene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Anthracene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <43.8U | ug/kg dry | 1 | 43.8 | 43.8 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <21.9B, U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Chrysene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 37.7V | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Fluoranthene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Fluorene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Naphthalene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Phenanthrene | A | 55.0 | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Phenol, Total | A | 243V | ug/kg dry | 1 | 43.8 | 43.8 | BFG2359 | 08/02/2022 22:08 | KRB |
| SW-8270 | Pyrene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2359 | 08/02/2022 22:08 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *39.6% S* | *60-140* | | | | | *08/02/2022 22:08* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *58.1% S* | *60-140* | | | | | *08/02/2022 22:08* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *82.8%* | *60-140* | | | | | *08/02/2022 22:08* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *81.7%* | *60-140* | | | | | *08/02/2022 22:08* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *107%* | *60-140* | | | | | *08/02/2022 22:08* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *41.6% S* | *60-140* | | | | | *08/02/2022 22:08* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.285U | mg/kg dry | 1 | 0.285 | 3.54 | BFH2043 | 08/22/2022 16:55 | TBB |
| EPA 200.8 | Arsenic | N | 10.0 | mg/kg dry | 1 | 0.435 | 1.77 | BFH2043 | 08/17/2022 17:17 | TBB |
| EPA 200.8 | Beryllium | N | <0.0354U | mg/kg dry | 1 | 0.0354 | 0.707 | BFH2043 | 08/25/2022 11:42 | TBB |
| EPA 200.8 | Cadmium | N | 0.497J | mg/kg dry | 1 | 0.112 | 3.54 | BFH2043 | 08/17/2022 17:17 | TBB |
| EPA 200.8 | Chromium | N | 0.717J | mg/kg dry | 1 | 0.260 | 10.6 | BFH2043 | 08/17/2022 17:17 | TBB |
| EPA 200.8 | Copper | N | 12.3 | mg/kg dry | 1 | 0.308 | 3.54 | BFH2043 | 08/17/2022 17:17 | TBB |
| Calc | Chromium (III) | | <16.2U | mg/kg (dry wt) dry | 1 | 16.2 | 55.7 | [CALC] | 08/17/2022 17:17 | EM |
| SW-7196 | Chromium (VI) | N | <16.0U | mg/kg (dry wt) dry | 1 | 16.0 | 45.1 | BFG2026 | 07/15/2022 18:13 | EM |
| SW-7471B | Mercury | A | <0.0383U | mg/kg dry | 1 | 0.0383 | 0.0765 | BFH1159 | 08/09/2022 18:17 | NAZ |
| EPA 200.8 | Lead | N | 0.434J | mg/kg dry | 1 | 0.267 | 1.77 | BFH2043 | 08/22/2022 16:55 | TBB |
| EPA 200.8 | Nickel | N | 3.31J | mg/kg dry | 1 | 0.0626 | 3.54 | BFH2043 | 08/17/2022 17:17 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 3-2 (Continued)
Lab Sample ID: 22F4225-12
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Selenium | N | <3.89 | U | mg/kg dry | 1 | 3.89 | 17.7 | BFH2043 | 08/25/2022 09:46 | TBB |
| EPA 200.8 | Silver | N | 0.134 | J | mg/kg dry | 1 | 0.0251 | 1.77 | BFH2043 | 08/17/2022 17:17 | TBB |
| EPA 200.8 | Thallium | N | <0.0244 | U | mg/kg dry | 1 | 0.0244 | 1.77 | BFH2043 | 08/17/2022 17:17 | TBB |
| EPA 200.8 | Zinc | N | 132 | | mg/kg dry | 2 | 2.66 | 14.1 | BFH2043 | 08/22/2022 17:51 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.7 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 3-3
Lab Sample ID: 22F4225-13
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <42.1U | ug/kg dry | 1 | 42.1 | 42.1 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Acenaphthene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Acenaphthylene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Anthracene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <42.1U | ug/kg dry | 1 | 42.1 | 42.1 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <21.0B, U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Chrysene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 21.5V | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Fluoranthene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Fluorene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Naphthalene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Phenanthrene | A | 39.2 | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Phenol, Total | A | 368V | ug/kg dry | 1 | 42.1 | 42.1 | BFG2359 | 08/02/2022 22:42 | KRB |
| SW-8270 | Pyrene | A | <21.0U | ug/kg dry | 1 | 21.0 | 21.0 | BFG2359 | 08/02/2022 22:42 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *32.7% S* | *60-140* | | | | | *08/02/2022 22:42* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *52.4% S* | *60-140* | | | | | *08/02/2022 22:42* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *75.5%* | *60-140* | | | | | *08/02/2022 22:42* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *101%* | *60-140* | | | | | *08/02/2022 22:42* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *119%* | *60-140* | | | | | *08/02/2022 22:42* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *44.2% S* | *60-140* | | | | | *08/02/2022 22:42* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.320U | mg/kg dry | 1 | 0.320 | 3.97 | BFH2043 | 08/22/2022 16:58 | TBB |
| EPA 200.8 | Arsenic | N | 8.84 | mg/kg dry | 1 | 0.488 | 1.99 | BFH2043 | 08/17/2022 17:19 | TBB |
| EPA 200.8 | Beryllium | N | <0.0397U | mg/kg dry | 1 | 0.0397 | 0.794 | BFH2043 | 08/25/2022 11:45 | TBB |
| EPA 200.8 | Cadmium | N | 0.592J | mg/kg dry | 1 | 0.125 | 3.97 | BFH2043 | 08/17/2022 17:19 | TBB |
| EPA 200.8 | Chromium | N | 0.349J | mg/kg dry | 1 | 0.292 | 11.9 | BFH2043 | 08/17/2022 17:19 | TBB |
| EPA 200.8 | Copper | N | 10.5 | mg/kg dry | 1 | 0.345 | 3.97 | BFH2043 | 08/17/2022 17:19 | TBB |
| Calc | Chromium (III) | | <21.2U | mg/kg (dry wt) dry | 1 | 21.2 | 70.9 | [CALC] | 08/17/2022 17:19 | EM |
| SW-7196 | Chromium (VI) | N | <20.9U | mg/kg (dry wt) dry | 1 | 20.9 | 59.0 | BFG2026 | 07/15/2022 18:15 | EM |
| SW-7471B | Mercury | A | <0.0501U | mg/kg dry | 1 | 0.0501 | 0.100 | BFH1159 | 08/09/2022 18:20 | NAZ |
| EPA 200.8 | Lead | N | 0.466J | mg/kg dry | 1 | 0.300 | 1.99 | BFH2043 | 08/22/2022 16:58 | TBB |
| EPA 200.8 | Nickel | N | 2.93J | mg/kg dry | 1 | 0.0703 | 3.97 | BFH2043 | 08/17/2022 17:19 | TBB |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 3-3 (Continued)
Lab Sample ID: 22F4225-13
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Selenium | N | <4.37 | U | mg/kg dry | 1 | 4.37 | 19.9 | BFH2043 | 08/25/2022 09:49 | TBB |
| EPA 200.8 | Silver | N | 0.206 | J | mg/kg dry | 1 | 0.0282 | 1.99 | BFH2043 | 08/17/2022 17:19 | TBB |
| EPA 200.8 | Thallium | N | <0.0274 | U | mg/kg dry | 1 | 0.0274 | 1.99 | BFH2043 | 08/17/2022 17:19 | TBB |
| EPA 200.8 | Zinc | N | 133 | | mg/kg dry | 2 | 2.98 | 15.9 | BFH2043 | 08/22/2022 17:54 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.5 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 3-4
Lab Sample ID: 22F4225-14
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <41.6U | ug/kg dry | 1 | 41.6 | 41.6 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Acenaphthene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Acenaphthylene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Anthracene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <41.6U | ug/kg dry | 1 | 41.6 | 41.6 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <20.8B, U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Chrysene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <20.8B, U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Fluoranthene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Fluorene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Naphthalene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Phenanthrene | A | 47.5 | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Phenol, Total | A | 355V | ug/kg dry | 1 | 41.6 | 41.6 | BFG2359 | 08/02/2022 23:16 | KRB |
| SW-8270 | Pyrene | A | <20.8U | ug/kg dry | 1 | 20.8 | 20.8 | BFG2359 | 08/02/2022 23:16 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *52.1% S* | *60-140* | | | | | *08/02/2022 23:16* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *66.9%* | *60-140* | | | | | *08/02/2022 23:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *89.1%* | *60-140* | | | | | *08/02/2022 23:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *112%* | *60-140* | | | | | *08/02/2022 23:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *113%* | *60-140* | | | | | *08/02/2022 23:16* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *35.3% S* | *60-140* | | | | | *08/02/2022 23:16* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.332U | mg/kg dry | 1 | 0.332 | 4.13 | BFH2043 | 08/22/2022 17:00 | TBB |
| EPA 200.8 | Arsenic | N | 10.1 | mg/kg dry | 1 | 0.508 | 2.06 | BFH2043 | 08/17/2022 17:21 | TBB |
| EPA 200.8 | Beryllium | N | <0.0413U | mg/kg dry | 1 | 0.0413 | 0.825 | BFH2043 | 08/25/2022 11:48 | TBB |
| EPA 200.8 | Cadmium | N | 0.527J | mg/kg dry | 1 | 0.130 | 4.13 | BFH2043 | 08/17/2022 17:21 | TBB |
| EPA 200.8 | Chromium | N | <0.303U | mg/kg dry | 1 | 0.303 | 12.4 | BFH2043 | 08/17/2022 17:21 | TBB |
| EPA 200.8 | Copper | N | 10.8 | mg/kg dry | 1 | 0.359 | 4.13 | BFH2043 | 08/17/2022 17:21 | TBB |
| Calc | Chromium (III) | | <16.6U | mg/kg (dry wt) dry | 1 | 16.6 | 58.5 | [CALC] | 08/17/2022 17:21 | EM |
| SW-7196 | Chromium (VI) | N | 17.0J | mg/kg (dry wt) dry | 1 | 16.3 | 46.1 | BFG2026 | 07/15/2022 18:16 | EM |
| SW-7471B | Mercury | A | <0.0431U | mg/kg dry | 1 | 0.0431 | 0.0862 | BFH1159 | 08/09/2022 18:30 | NAZ |
| EPA 200.8 | Lead | N | 0.406J | mg/kg dry | 1 | 0.312 | 2.06 | BFH2043 | 08/22/2022 17:00 | TBB |
| EPA 200.8 | Nickel | N | 2.52J | mg/kg dry | 1 | 0.0730 | 4.13 | BFH2043 | 08/17/2022 17:21 | TBB |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 3-4 (Continued)
Lab Sample ID: 22F4225-14
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Selenium | N | <4.54 | U | mg/kg dry | 1 | 4.54 | 20.6 | BFH2043 | 08/25/2022 09:51 | TBB |
| EPA 200.8 | Silver | N | 0.151 | J | mg/kg dry | 1 | 0.0293 | 2.06 | BFH2043 | 08/17/2022 17:21 | TBB |
| EPA 200.8 | Thallium | N | <0.0285 | U | mg/kg dry | 1 | 0.0285 | 2.06 | BFH2043 | 08/17/2022 17:21 | TBB |
| EPA 200.8 | Zinc | N | 128 | | mg/kg dry | 1 | 1.55 | 8.25 | BFH2043 | 08/22/2022 17:00 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.4 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 3-5
Lab Sample ID: 22F4225-15
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <43.5U | ug/kg dry | 1 | 43.5 | 43.5 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Acenaphthene | A | <21.7U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Acenaphthylene | A | <21.7U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Anthracene | A | <21.7U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <21.7U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <43.5U | ug/kg dry | 1 | 43.5 | 43.5 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <21.7B, U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Chrysene | A | <21.7U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <21.7B, U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Fluoranthene | A | <21.7U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Fluorene | A | <21.7U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Naphthalene | A | <21.7U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Phenanthrene | A | 43.7 | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| SW-8270 | Pyrene | A | 29.5 | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/03/2022 00:25 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *41.9% S* | *60-140* | | | | | *08/03/2022 00:25* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *50.1% S* | *60-140* | | | | | *08/03/2022 00:25* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *87.8%* | *60-140* | | | | | *08/03/2022 00:25* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *90.8%* | *60-140* | | | | | *08/03/2022 00:25* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *95.2%* | *60-140* | | | | | *08/03/2022 00:25* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *38.2% S* | *60-140* | | | | | *08/03/2022 00:25* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.325U | mg/kg dry | 1 | 0.325 | 4.04 | BFH1110 | 08/15/2022 11:22 | TBB |
| EPA 200.8 | Arsenic | N | 8.29 | mg/kg dry | 1 | 0.497 | 2.02 | BFH1110 | 08/15/2022 11:22 | TBB |
| EPA 200.8 | Beryllium | N | <0.0404U | mg/kg dry | 1 | 0.0404 | 0.808 | BFH1110 | 08/23/2022 15:54 | TBB |
| EPA 200.8 | Cadmium | N | 0.445J | mg/kg dry | 1 | 0.128 | 4.04 | BFH1110 | 08/15/2022 11:22 | TBB |
| EPA 200.8 | Chromium | N | 0.691J | mg/kg dry | 1 | 0.297 | 12.1 | BFH1110 | 08/15/2022 11:22 | TBB |
| EPA 200.8 | Copper | N | 11.0 | mg/kg dry | 1 | 0.352 | 4.04 | BFH1110 | 08/15/2022 11:22 | TBB |
| Calc | Chromium (III) | | <16.5U | mg/kg (dry wt) dry | 1 | 16.5 | 57.8 | [CALC] | 08/15/2022 11:22 | EM |
| SW-7196 | Chromium (VI) | N | <16.2U | mg/kg (dry wt) dry | 1 | 16.2 | 45.7 | BFG2440 | 07/22/2022 17:09 | EM |
| SW-7471B | Mercury | A | <0.0366U | mg/kg dry | 1 | 0.0366 | 0.0732 | BFG2911 | 07/22/2022 16:23 | EM |
| EPA 200.8 | Lead | N | 0.499J | mg/kg dry | 1 | 0.305 | 2.02 | BFH1110 | 08/15/2022 11:22 | TBB |
| EPA 200.8 | Nickel | N | 2.94J | mg/kg dry | 1 | 0.0716 | 4.04 | BFH1110 | 08/15/2022 11:22 | TBB |
| EPA 200.8 | Selenium | N | <4.45U | mg/kg dry | 1 | 4.45 | 20.2 | BFH1110 | 08/23/2022 15:54 | TBB |
| EPA 200.8 | Silver | N | 0.172J | mg/kg dry | 1 | 0.0287 | 2.02 | BFH1110 | 08/15/2022 11:22 | TBB |
| EPA 200.8 | Thallium | N | <0.0279U | mg/kg dry | 1 | 0.0279 | 2.02 | BFH1110 | 08/15/2022 11:22 | TBB |
| EPA 200.8 | Zinc | N | 109 | mg/kg dry | 1 | 1.52 | 8.08 | BFH1110 | 08/16/2022 11:04 | TBB |
| **General Chemistry** | | | | | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 3-5 (Continued)
Lab Sample ID: 22F4225-15
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 11.1 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 3-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-15RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <21.7 | U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/17/2022 02:20 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <21.7 | U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/17/2022 02:20 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <21.7 | U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/17/2022 02:20 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <21.7 | U | ug/kg dry | 1 | 21.7 | 21.7 | BFG2359 | 08/17/2022 02:20 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 170 | V | ug/kg dry | 1 | 43.5 | 43.5 | BFG2359 | 08/17/2022 02:20 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *56.5%* | *S* | *60-140* | | | | | *08/17/2022 02:20* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *57.2%* | *S* | *60-140* | | | | | *08/17/2022 02:20* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *83.6%* | | *60-140* | | | | | *08/17/2022 02:20* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *79.2%* | | *60-140* | | | | | *08/17/2022 02:20* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *109%* | | *60-140* | | | | | *08/17/2022 02:20* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *33.0%* | *S* | *60-140* | | | | | *08/17/2022 02:20* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 4-1
Lab Sample ID: 22F4225-16
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <43.0 | U | ug/kg dry | 1 | 43.0 | 43.0 | BFG2556 | 08/11/2022 20:33 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 26.9 | V | ug/kg dry | 1 | 21.5 | 21.5 | BFG2556 | 08/11/2022 20:33 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 96.4 | V | ug/kg dry | 1 | 21.5 | 21.5 | BFG2556 | 08/11/2022 20:33 | KRB |
| SW-8270 | Phenol, Total | A | 287 | V | ug/kg dry | 1 | 43.0 | 43.0 | BFG2556 | 08/11/2022 20:33 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *28.4%* | *S* | *60-140* | | | | | *08/11/2022 20:33* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *92.8%* | | *60-140* | | | | | *08/11/2022 20:33* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *77.9%* | | *60-140* | | | | | *08/11/2022 20:33* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *86.1%* | | *60-140* | | | | | *08/11/2022 20:33* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *119%* | | *60-140* | | | | | *08/11/2022 20:33* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *56.3%* | *S* | *60-140* | | | | | *08/11/2022 20:33* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.282 | U | mg/kg dry | 1 | 0.282 | 3.51 | BFH2043 | 08/22/2022 17:02 | TBB |
| EPA 200.8 | Arsenic | N | 9.95 | | mg/kg dry | 1 | 0.431 | 1.75 | BFH2043 | 08/17/2022 17:23 | TBB |
| EPA 200.8 | Beryllium | N | <0.0351 | U | mg/kg dry | 1 | 0.0351 | 0.701 | BFH2043 | 08/25/2022 11:51 | TBB |
| EPA 200.8 | Cadmium | N | 0.506 | J | mg/kg dry | 1 | 0.111 | 3.51 | BFH2043 | 08/17/2022 17:23 | TBB |
| EPA 200.8 | Chromium | N | <0.258 | U | mg/kg dry | 1 | 0.258 | 10.5 | BFH2043 | 08/17/2022 17:23 | TBB |
| EPA 200.8 | Copper | N | 11.4 | | mg/kg dry | 1 | 0.305 | 3.51 | BFH2043 | 08/17/2022 17:23 | TBB |
| Calc | Chromium (III) | | <16.7 | U | mg/kg (dry wt) dry | 1 | 16.7 | 56.9 | [CALC] | 08/17/2022 17:23 | EM |
| SW-7196 | Chromium (VI) | N | 20.8 | J | mg/kg (dry wt) dry | 1 | 16.4 | 46.4 | BFG2026 | 07/15/2022 18:17 | EM |
| SW-7471B | Mercury | A | <0.0421 | U | mg/kg dry | 1 | 0.0421 | 0.0842 | BFH1159 | 08/09/2022 18:33 | NAZ |
| EPA 200.8 | Lead | N | 0.451 | J | mg/kg dry | 1 | 0.265 | 1.75 | BFH2043 | 08/22/2022 17:02 | TBB |
| EPA 200.8 | Nickel | N | 3.00 | J | mg/kg dry | 1 | 0.0621 | 3.51 | BFH2043 | 08/17/2022 17:23 | TBB |
| EPA 200.8 | Selenium | N | <3.86 | U | mg/kg dry | 1 | 3.86 | 17.5 | BFH2043 | 08/25/2022 09:54 | TBB |
| EPA 200.8 | Silver | N | 0.139 | J | mg/kg dry | 1 | 0.0249 | 1.75 | BFH2043 | 08/17/2022 17:23 | TBB |
| EPA 200.8 | Thallium | N | <0.0242 | U | mg/kg dry | 1 | 0.0242 | 1.75 | BFH2043 | 08/17/2022 17:23 | TBB |
| EPA 200.8 | Zinc | N | 132 | | mg/kg dry | 2 | 2.63 | 14.0 | BFH2043 | 08/22/2022 17:56 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.6 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 4-2
Lab Sample ID: 22F4225-17
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <56.1U | ug/kg dry | 1 | 56.1 | 56.1 | BFG2556 | 08/11/2022 21:07 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <28.1B, U | ug/kg dry | 1 | 28.1 | 28.1 | BFG2556 | 08/11/2022 21:07 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 106V | ug/kg dry | 1 | 28.1 | 28.1 | BFG2556 | 08/11/2022 21:07 | KRB |
| SW-8270 | Phenol, Total | A | 300V | ug/kg dry | 1 | 56.1 | 56.1 | BFG2556 | 08/11/2022 21:07 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *27.8% S* | *60-140* | | | | | *08/11/2022 21:07* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *84.7%* | *60-140* | | | | | *08/11/2022 21:07* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *83.9%* | *60-140* | | | | | *08/11/2022 21:07* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *94.9%* | *60-140* | | | | | *08/11/2022 21:07* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *111%* | *60-140* | | | | | *08/11/2022 21:07* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *56.3% S* | *60-140* | | | | | *08/11/2022 21:07* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.441U | mg/kg dry | 1 | 0.441 | 5.48 | BFH1110 | 08/15/2022 11:50 | TBB |
| EPA 200.8 | Arsenic | N | 11.3 | mg/kg dry | 1 | 0.674 | 2.74 | BFH1110 | 08/16/2022 11:32 | TBB |
| EPA 200.8 | Beryllium | N | <0.0548U | mg/kg dry | 1 | 0.0548 | 1.10 | BFH1110 | 08/23/2022 16:25 | TBB |
| EPA 200.8 | Cadmium | N | 0.765J | mg/kg dry | 1 | 0.173 | 5.48 | BFH1110 | 08/15/2022 11:50 | TBB |
| EPA 200.8 | Chromium | N | 0.413J | mg/kg dry | 1 | 0.403 | 16.4 | BFH1110 | 08/15/2022 11:50 | TBB |
| EPA 200.8 | Copper | N | 19.7 | mg/kg dry | 1 | 0.476 | 5.48 | BFH1110 | 08/15/2022 11:50 | TBB |
| Calc | Chromium (III) | | <21.4U | mg/kg (dry wt) dry | 1 | 21.4 | 75.9 | [CALC] | 08/15/2022 11:50 | EM |
| SW-7196 | Chromium (VI) | N | <21.0U | mg/kg (dry wt) dry | 1 | 21.0 | 59.4 | BFG3191 | 07/25/2022 17:51 | EM |
| SW-7471B | Mercury | A | <0.0511B, U | mg/kg dry | 1 | 0.0511 | 0.102 | BFH2628 | 08/18/2022 19:37 | NAZ |
| EPA 200.8 | Lead | N | 0.752J | mg/kg dry | 1 | 0.413 | 2.74 | BFH1110 | 08/15/2022 11:50 | TBB |
| EPA 200.8 | Nickel | N | 3.82J | mg/kg dry | 1 | 0.0969 | 5.48 | BFH1110 | 08/15/2022 11:50 | TBB |
| EPA 200.8 | Selenium | N | <6.02U | mg/kg dry | 1 | 6.02 | 27.4 | BFH1110 | 08/23/2022 16:25 | TBB |
| EPA 200.8 | Silver | N | 0.242J | mg/kg dry | 1 | 0.0389 | 2.74 | BFH1110 | 08/15/2022 11:50 | TBB |
| EPA 200.8 | Thallium | N | <0.0378U | mg/kg dry | 1 | 0.0378 | 2.74 | BFH1110 | 08/15/2022 11:50 | TBB |
| EPA 200.8 | Zinc | N | 169 | mg/kg dry | 1 | 2.06 | 11.0 | BFH1110 | 08/16/2022 11:32 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 8.76 | % | 1 | 0.100 | 0.100 | BFG0444 | 07/07/2022 10:03 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 4-3
Lab Sample ID: 22F4225-18
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <40.8U | ug/kg dry | 1 | 40.8 | 40.8 | BFG2556 | 08/11/2022 21:41 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <20.4B, U | ug/kg dry | 1 | 20.4 | 20.4 | BFG2556 | 08/11/2022 21:41 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 88.5V | ug/kg dry | 1 | 20.4 | 20.4 | BFG2556 | 08/11/2022 21:41 | KRB |
| SW-8270 | Phenol, Total | A | 289V | ug/kg dry | 1 | 40.8 | 40.8 | BFG2556 | 08/11/2022 21:41 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *25.1% S* | *60-140* | | | | | *08/11/2022 21:41* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *82.8%* | *60-140* | | | | | *08/11/2022 21:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *71.6%* | *60-140* | | | | | *08/11/2022 21:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *91.7%* | *60-140* | | | | | *08/11/2022 21:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *119%* | *60-140* | | | | | *08/11/2022 21:41* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *60.2%* | *60-140* | | | | | *08/11/2022 21:41* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.333U | mg/kg dry | 1 | 0.333 | 4.14 | BFH2043 | 08/22/2022 17:11 | TBB |
| EPA 200.8 | Arsenic | N | 10.6 | mg/kg dry | 1 | 0.509 | 2.07 | BFH2043 | 08/17/2022 17:33 | TBB |
| EPA 200.8 | Beryllium | N | <0.0414U | mg/kg dry | 1 | 0.0414 | 0.828 | BFH2043 | 08/25/2022 12:02 | TBB |
| EPA 200.8 | Cadmium | N | 0.537J | mg/kg dry | 1 | 0.131 | 4.14 | BFH2043 | 08/17/2022 17:33 | TBB |
| EPA 200.8 | Chromium | N | <0.304U | mg/kg dry | 1 | 0.304 | 12.4 | BFH2043 | 08/17/2022 17:33 | TBB |
| EPA 200.8 | Copper | N | 11.9 | mg/kg dry | 1 | 0.360 | 4.14 | BFH2043 | 08/17/2022 17:33 | TBB |
| Calc | Chromium (III) | | <16.4U | mg/kg (dry wt) dry | 1 | 16.4 | 57.8 | [CALC] | 08/17/2022 17:33 | EM |
| SW-7196 | Chromium (VI) | N | <16.1U | mg/kg (dry wt) dry | 1 | 16.1 | 45.4 | BFG2026 | 07/15/2022 18:12 | EM |
| SW-7471B | Mercury | A | <0.0408U | mg/kg dry | 1 | 0.0408 | 0.0816 | BFH1159 | 08/09/2022 18:37 | NAZ |
| EPA 200.8 | Lead | N | 0.444J | mg/kg dry | 1 | 0.313 | 2.07 | BFH2043 | 08/22/2022 17:11 | TBB |
| EPA 200.8 | Nickel | N | 3.78J | mg/kg dry | 1 | 0.0733 | 4.14 | BFH2043 | 08/17/2022 17:33 | TBB |
| EPA 200.8 | Selenium | N | <4.55U | mg/kg dry | 1 | 4.55 | 20.7 | BFH2043 | 08/25/2022 10:04 | TBB |
| EPA 200.8 | Silver | N | 0.151J | mg/kg dry | 1 | 0.0294 | 2.07 | BFH2043 | 08/17/2022 17:33 | TBB |
| EPA 200.8 | Thallium | N | <0.0286U | mg/kg dry | 1 | 0.0286 | 2.07 | BFH2043 | 08/17/2022 17:33 | TBB |
| EPA 200.8 | Zinc | N | 129 | mg/kg dry | 2 | 3.11 | 16.6 | BFH2043 | 08/22/2022 18:03 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.5 | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 4-4
Lab Sample ID: 22F4225-19
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <46.2 | U | ug/kg dry | 1 | 46.2 | 46.2 | BFG2556 | 08/11/2022 22:15 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <23.1 | B, U | ug/kg dry | 1 | 23.1 | 23.1 | BFG2556 | 08/11/2022 22:15 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 114 | V | ug/kg dry | 1 | 23.1 | 23.1 | BFG2556 | 08/11/2022 22:15 | KRB |
| SW-8270 | Phenol, Total | A | 389 | V | ug/kg dry | 1 | 46.2 | 46.2 | BFG2556 | 08/11/2022 22:15 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *34.8%* | *S* | *60-140* | | | | | *08/11/2022 22:15* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *91.2%* | | *60-140* | | | | | *08/11/2022 22:15* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *77.9%* | | *60-140* | | | | | *08/11/2022 22:15* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *95.2%* | | *60-140* | | | | | *08/11/2022 22:15* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *121%* | | *60-140* | | | | | *08/11/2022 22:15* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *53.9%* | *S* | *60-140* | | | | | *08/11/2022 22:15* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.363 | U | mg/kg dry | 1 | 0.363 | 4.51 | BFH2043 | 08/22/2022 17:21 | TBB |
| EPA 200.8 | Arsenic | N | 9.57 | | mg/kg dry | 1 | 0.554 | 2.25 | BFH2043 | 08/17/2022 17:42 | TBB |
| EPA 200.8 | Beryllium | N | <0.0451 | U | mg/kg dry | 1 | 0.0451 | 0.901 | BFH2043 | 08/25/2022 12:05 | TBB |
| EPA 200.8 | Cadmium | N | 0.508 | J | mg/kg dry | 1 | 0.142 | 4.51 | BFH2043 | 08/17/2022 17:42 | TBB |
| EPA 200.8 | Chromium | N | <0.331 | U | mg/kg dry | 1 | 0.331 | 13.5 | BFH2043 | 08/17/2022 17:42 | TBB |
| EPA 200.8 | Copper | N | 13.7 | | mg/kg dry | 1 | 0.392 | 4.51 | BFH2043 | 08/17/2022 17:42 | TBB |
| Calc | Chromium (III) | | <18.8 | U | mg/kg (dry wt) dry | 1 | 18.8 | 65.7 | [CALC] | 08/17/2022 17:42 | EM |
| SW-7196 | Chromium (VI) | N | <18.5 | U | mg/kg (dry wt) dry | 1 | 18.5 | 52.1 | BFG2026 | 07/15/2022 18:18 | EM |
| SW-7471B | Mercury | A | <0.0481 | U | mg/kg dry | 1 | 0.0481 | 0.0963 | BFH1159 | 08/09/2022 18:40 | NAZ |
| EPA 200.8 | Lead | N | 0.618 | J | mg/kg dry | 1 | 0.340 | 2.25 | BFH2043 | 08/22/2022 17:21 | TBB |
| EPA 200.8 | Nickel | N | 3.23 | J | mg/kg dry | 1 | 0.0797 | 4.51 | BFH2043 | 08/17/2022 17:42 | TBB |
| EPA 200.8 | Selenium | N | <4.96 | U | mg/kg dry | 1 | 4.96 | 22.5 | BFH2043 | 08/25/2022 10:14 | TBB |
| EPA 200.8 | Silver | N | 0.169 | J | mg/kg dry | 1 | 0.0320 | 2.25 | BFH2043 | 08/17/2022 17:42 | TBB |
| EPA 200.8 | Thallium | N | <0.0311 | U | mg/kg dry | 1 | 0.0311 | 2.25 | BFH2043 | 08/17/2022 17:42 | TBB |
| EPA 200.8 | Zinc | N | 154 | | mg/kg dry | 2 | 3.38 | 18.0 | BFH2043 | 08/22/2022 18:06 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.51 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 4-5
Lab Sample ID: 22F4225-20
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <44.4 | U | ug/kg dry | 1 | 44.4 | 44.4 | BFG2556 | 08/11/2022 22:50 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 27.0 | V | ug/kg dry | 1 | 22.2 | 22.2 | BFG2556 | 08/11/2022 22:50 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 126 | V | ug/kg dry | 1 | 22.2 | 22.2 | BFG2556 | 08/11/2022 22:50 | KRB |
| SW-8270 | Phenol, Total | A | 363 | V | ug/kg dry | 1 | 44.4 | 44.4 | BFG2556 | 08/11/2022 22:50 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *25.1%* | *S* | *60-140* | | | | | *08/11/2022 22:50* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *76.8%* | | *60-140* | | | | | *08/11/2022 22:50* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *75.0%* | | *60-140* | | | | | *08/11/2022 22:50* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *86.6%* | | *60-140* | | | | | *08/11/2022 22:50* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *107%* | | *60-140* | | | | | *08/11/2022 22:50* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *49.7%* | *S* | *60-140* | | | | | *08/11/2022 22:50* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.354 | U | mg/kg dry | 1 | 0.354 | 4.40 | BFH2149 | 08/19/2022 10:13 | TBB |
| EPA 200.8 | Arsenic | N | 10.1 | | mg/kg dry | 1 | 0.541 | 2.20 | BFH2149 | 08/19/2022 10:13 | TBB |
| EPA 200.8 | Beryllium | N | <0.0440 | U | mg/kg dry | 1 | 0.0440 | 0.879 | BFH2149 | 08/19/2022 10:13 | TBB |
| EPA 200.8 | Cadmium | N | 0.602 | J | mg/kg dry | 1 | 0.139 | 4.40 | BFH2149 | 08/19/2022 10:13 | TBB |
| EPA 200.8 | Chromium | N | 0.452 | J | mg/kg dry | 1 | 0.323 | 13.2 | BFH2149 | 08/19/2022 10:13 | TBB |
| EPA 200.8 | Copper | N | 13.1 | | mg/kg dry | 1 | 0.382 | 4.40 | BFH2149 | 08/19/2022 10:13 | TBB |
| Calc | Chromium (III) | | <17.3 | U | mg/kg (dry wt) dry | 1 | 17.3 | 61.1 | [CALC] | 08/19/2022 10:13 | EM |
| SW-7196 | Chromium (VI) | N | 32.4 | J | mg/kg (dry wt) dry | 1 | 17.0 | 47.9 | BFG2440 | 07/22/2022 17:10 | EM |
| EPA 200.8 | Lead | N | 0.720 | J | mg/kg dry | 1 | 0.332 | 2.20 | BFH2149 | 08/19/2022 10:13 | TBB |
| EPA 200.8 | Nickel | N | 3.63 | J | mg/kg dry | 1 | 0.0778 | 4.40 | BFH2149 | 08/19/2022 10:13 | TBB |
| EPA 200.8 | Selenium | N | <4.84 | U | mg/kg dry | 1 | 4.84 | 22.0 | BFH2149 | 08/19/2022 10:13 | TBB |
| EPA 200.8 | Silver | N | 0.164 | J | mg/kg dry | 1 | 0.0312 | 2.20 | BFH2149 | 08/19/2022 10:13 | TBB |
| EPA 200.8 | Thallium | N | <0.0303 | U | mg/kg dry | 1 | 0.0303 | 2.20 | BFH2149 | 08/19/2022 10:13 | TBB |
| EPA 200.8 | Zinc | N | 117 | | mg/kg dry | 1 | 1.65 | 8.79 | BFH2149 | 08/19/2022 10:13 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.3 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 4-5
Lab Sample ID: 22F4225-20RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0457 | B, U | mg/kg dry | 1 | 0.0457 | 0.0913 | BFH2628 | 08/18/2022 20:07 | NAZ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 5-1
Lab Sample ID: 22F4225-21
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <44.5 | U | ug/kg dry | 1 | 44.5 | 44.5 | BFG2556 | 08/11/2022 23:24 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 33.1 | V | ug/kg dry | 1 | 22.2 | 22.2 | BFG2556 | 08/11/2022 23:24 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 120 | V | ug/kg dry | 1 | 22.2 | 22.2 | BFG2556 | 08/11/2022 23:24 | KRB |
| SW-8270 | Phenol, Total | A | 670 | V | ug/kg dry | 1 | 44.5 | 44.5 | BFG2556 | 08/11/2022 23:24 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *33.1%* | *S* | *60-140* | | | | | *08/11/2022 23:24* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *64.3%* | | *60-140* | | | | | *08/11/2022 23:24* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *87.3%* | | *60-140* | | | | | *08/11/2022 23:24* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *79.0%* | | *60-140* | | | | | *08/11/2022 23:24* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *104%* | | *60-140* | | | | | *08/11/2022 23:24* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *39.3%* | *S* | *60-140* | | | | | *08/11/2022 23:24* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.374 | U | mg/kg dry | 1 | 0.374 | 4.65 | BFH1110 | 08/15/2022 11:24 | TBB |
| EPA 200.8 | Arsenic | N | 9.02 | | mg/kg dry | 1 | 0.571 | 2.32 | BFH1110 | 08/15/2022 11:24 | TBB |
| EPA 200.8 | Beryllium | N | <0.0465 | U | mg/kg dry | 1 | 0.0465 | 0.929 | BFH1110 | 08/23/2022 15:57 | TBB |
| EPA 200.8 | Cadmium | N | 0.491 | J | mg/kg dry | 1 | 0.147 | 4.65 | BFH1110 | 08/15/2022 11:24 | TBB |
| EPA 200.8 | Chromium | N | <0.341 | U | mg/kg dry | 1 | 0.341 | 13.9 | BFH1110 | 08/15/2022 11:24 | TBB |
| EPA 200.8 | Copper | N | 11.6 | | mg/kg dry | 1 | 0.404 | 4.65 | BFH1110 | 08/15/2022 11:24 | TBB |
| Calc | Chromium (III) | | <18.6 | U | mg/kg (dry wt) dry | 1 | 18.6 | 65.6 | [CALC] | 08/15/2022 11:24 | EM |
| SW-7196 | Chromium (VI) | N | <18.3 | U | mg/kg (dry wt) dry | 1 | 18.3 | 51.7 | BFG2440 | 07/22/2022 17:12 | EM |
| EPA 200.8 | Lead | N | <0.351 | U | mg/kg dry | 1 | 0.351 | 2.32 | BFH1110 | 08/15/2022 11:24 | TBB |
| EPA 200.8 | Nickel | N | 3.03 | J | mg/kg dry | 1 | 0.0822 | 4.65 | BFH1110 | 08/15/2022 11:24 | TBB |
| EPA 200.8 | Selenium | N | <5.11 | U | mg/kg dry | 1 | 5.11 | 23.2 | BFH1110 | 08/23/2022 15:57 | TBB |
| EPA 200.8 | Silver | N | 0.154 | J | mg/kg dry | 1 | 0.0330 | 2.32 | BFH1110 | 08/15/2022 11:24 | TBB |
| EPA 200.8 | Thallium | N | <0.0321 | U | mg/kg dry | 1 | 0.0321 | 2.32 | BFH1110 | 08/15/2022 11:24 | TBB |
| EPA 200.8 | Zinc | N | 128 | | mg/kg dry | 1 | 1.74 | 9.29 | BFH1110 | 08/16/2022 11:07 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.71 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 5-1
Lab Sample ID: 22F4225-21RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0498 | B, U | mg/kg dry | 1 | 0.0498 | 0.0997 | BFH2628 | 08/18/2022 19:40 | NAZ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 5-2
Lab Sample ID: 22F4225-22
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <57.6 | U | ug/kg dry | 1 | 57.6 | 57.6 | BFG2556 | 08/11/2022 23:58 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <28.8 | B, U | ug/kg dry | 1 | 28.8 | 28.8 | BFG2556 | 08/11/2022 23:58 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 190 | V | ug/kg dry | 1 | 28.8 | 28.8 | BFG2556 | 08/11/2022 23:58 | KRB |
| SW-8270 | Phenol, Total | A | 564 | V | ug/kg dry | 1 | 57.6 | 57.6 | BFG2556 | 08/11/2022 23:58 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *28.9%* | *S* | *60-140* | | | | | *08/11/2022 23:58* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *109%* | | *60-140* | | | | | *08/11/2022 23:58* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *87.8%* | | *60-140* | | | | | *08/11/2022 23:58* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *85.5%* | | *60-140* | | | | | *08/11/2022 23:58* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *139%* | | *60-140* | | | | | *08/11/2022 23:58* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *57.1%* | *S* | *60-140* | | | | | *08/11/2022 23:58* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.537 | U | mg/kg dry | 1 | 0.537 | 6.68 | BFH2043 | 08/17/2022 15:21 | TBB |
| EPA 200.8 | Arsenic | N | 10.7 | | mg/kg dry | 1 | 0.821 | 3.34 | BFH2043 | 08/17/2022 16:51 | TBB |
| EPA 200.8 | Beryllium | N | <0.0668 | U | mg/kg dry | 1 | 0.0668 | 1.34 | BFH2043 | 08/17/2022 15:21 | TBB |
| EPA 200.8 | Cadmium | N | 0.668 | J | mg/kg dry | 1 | 0.211 | 6.68 | BFH2043 | 08/17/2022 15:21 | TBB |
| EPA 200.8 | Chromium | N | <0.491 | U | mg/kg dry | 1 | 0.491 | 20.0 | BFH2043 | 08/17/2022 15:21 | TBB |
| EPA 200.8 | Copper | N | 13.5 | | mg/kg dry | 1 | 0.581 | 6.68 | BFH2043 | 08/17/2022 15:21 | TBB |
| Calc | Chromium (III) | | <25.7 | U | mg/kg (dry wt) dry | 1 | 25.7 | 91.3 | [CALC] | 08/17/2022 15:21 | EM |
| SW-7196 | Chromium (VI) | N | 36.3 | J | mg/kg (dry wt) dry | 1 | 25.2 | 71.3 | BFG2026 | 07/15/2022 17:50 | EM |
| EPA 200.8 | Lead | N | 0.726 | J | mg/kg dry | 1 | 0.504 | 3.34 | BFH2043 | 08/17/2022 15:21 | TBB |
| EPA 200.8 | Nickel | N | 3.97 | J | mg/kg dry | 1 | 0.118 | 6.68 | BFH2043 | 08/17/2022 15:21 | TBB |
| EPA 200.8 | Selenium | N | <7.34 | U | mg/kg dry | 1 | 7.34 | 33.4 | BFH2043 | 08/25/2022 09:18 | TBB |
| EPA 200.8 | Silver | N | 0.263 | J | mg/kg dry | 1 | 0.0474 | 3.34 | BFH2043 | 08/17/2022 15:21 | TBB |
| EPA 200.8 | Thallium | N | <0.0461 | U | mg/kg dry | 1 | 0.0461 | 3.34 | BFH2043 | 08/17/2022 16:51 | TBB |
| EPA 200.8 | Zinc | N | 165 | | mg/kg dry | 1 | 2.51 | 13.4 | BFH2043 | 08/22/2022 16:29 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 7.31 | | % | 1 | 0.100 | 0.100 | BFG0444 | 07/07/2022 10:03 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 5-2
Lab Sample ID: 22F4225-22RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0684 | B, U | mg/kg dry | 1 | 0.0684 | 0.137 | BFH2628 | 08/18/2022 20:40 | NAZ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 5-3
Lab Sample ID: 22F4225-23
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <55.1 | U | ug/kg dry | 1 | 55.1 | 55.1 | BFG2556 | 08/12/2022 00:32 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 29.3 | V | ug/kg dry | 1 | 27.6 | 27.6 | BFG2556 | 08/12/2022 00:32 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 101 | V | ug/kg dry | 1 | 27.6 | 27.6 | BFG2556 | 08/12/2022 00:32 | KRB |
| SW-8270 | Phenol, Total | A | 505 | V | ug/kg dry | 1 | 55.1 | 55.1 | BFG2556 | 08/12/2022 00:32 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *27.9%* | *S* | *60-140* | | | | | *08/12/2022 00:32* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *59.3%* | *S* | *60-140* | | | | | *08/12/2022 00:32* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *90.4%* | | *60-140* | | | | | *08/12/2022 00:32* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *85.1%* | | *60-140* | | | | | *08/12/2022 00:32* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *123%* | | *60-140* | | | | | *08/12/2022 00:32* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *51.3%* | *S* | *60-140* | | | | | *08/12/2022 00:32* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.401 | U | mg/kg dry | 1 | 0.401 | 4.98 | BFH2043 | 08/22/2022 17:05 | TBB |
| EPA 200.8 | Arsenic | N | 10.3 | | mg/kg dry | 1 | 0.612 | 2.49 | BFH2043 | 08/17/2022 17:26 | TBB |
| EPA 200.8 | Beryllium | N | <0.0498 | U | mg/kg dry | 1 | 0.0498 | 0.996 | BFH2043 | 08/25/2022 11:54 | TBB |
| EPA 200.8 | Cadmium | N | 0.624 | J | mg/kg dry | 1 | 0.157 | 4.98 | BFH2043 | 08/17/2022 17:26 | TBB |
| EPA 200.8 | Chromium | N | <0.366 | U | mg/kg dry | 1 | 0.366 | 14.9 | BFH2043 | 08/17/2022 17:26 | TBB |
| EPA 200.8 | Copper | N | 12.8 | | mg/kg dry | 1 | 0.433 | 4.98 | BFH2043 | 08/17/2022 17:26 | TBB |
| Calc | Chromium (III) | | <22.5 | U | mg/kg (dry wt) dry | 1 | 22.5 | 77.4 | [CALC] | 08/17/2022 17:26 | EM |
| SW-7196 | Chromium (VI) | N | 36.9 | J | mg/kg (dry wt) dry | 1 | 22.1 | 62.5 | BFG2216 | 07/20/2022 17:46 | EM |
| SW-7471B | Mercury | A | <0.0535 | U | mg/kg dry | 1 | 0.0535 | 0.107 | BFG2911 | 07/22/2022 16:26 | EM |
| EPA 200.8 | Lead | N | 0.646 | J | mg/kg dry | 1 | 0.376 | 2.49 | BFH2043 | 08/22/2022 17:05 | TBB |
| EPA 200.8 | Nickel | N | 3.07 | J | mg/kg dry | 1 | 0.0881 | 4.98 | BFH2043 | 08/17/2022 17:26 | TBB |
| EPA 200.8 | Selenium | N | <5.48 | U | mg/kg dry | 1 | 5.48 | 24.9 | BFH2043 | 08/25/2022 09:56 | TBB |
| EPA 200.8 | Silver | N | 0.164 | J | mg/kg dry | 1 | 0.0353 | 2.49 | BFH2043 | 08/17/2022 17:26 | TBB |
| EPA 200.8 | Thallium | N | <0.0344 | U | mg/kg dry | 1 | 0.0344 | 2.49 | BFH2043 | 08/17/2022 17:26 | TBB |
| EPA 200.8 | Zinc | N | 161 | | mg/kg dry | 1 | 1.87 | 9.96 | BFH2043 | 08/22/2022 17:05 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 8.37 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 5-4
Lab Sample ID: 22F4225-24
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <45.0U | ug/kg dry | 1 | 45.0 | 45.0 | BFG2556 | 08/12/2022 01:07 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 44.4V | ug/kg dry | 1 | 22.5 | 22.5 | BFG2556 | 08/12/2022 01:07 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 109V | ug/kg dry | 1 | 22.5 | 22.5 | BFG2556 | 08/12/2022 01:07 | KRB |
| SW-8270 | Phenol, Total | A | 441V | ug/kg dry | 1 | 45.0 | 45.0 | BFG2556 | 08/12/2022 01:07 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *34.3% S* | *60-140* | | | | | *08/12/2022 01:07* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *61.6%* | *60-140* | | | | | *08/12/2022 01:07* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *90.7%* | *60-140* | | | | | *08/12/2022 01:07* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *93.7%* | *60-140* | | | | | *08/12/2022 01:07* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *112%* | *60-140* | | | | | *08/12/2022 01:07* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *40.5% S* | *60-140* | | | | | *08/12/2022 01:07* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.316U | mg/kg dry | 1 | 0.316 | 3.93 | BFH2149 | 08/19/2022 10:15 | TBB |
| EPA 200.8 | Arsenic | N | 13.4 | mg/kg dry | 1 | 0.483 | 1.96 | BFH2149 | 08/19/2022 10:15 | TBB |
| EPA 200.8 | Beryllium | N | <0.0393U | mg/kg dry | 1 | 0.0393 | 0.786 | BFH2149 | 08/19/2022 10:15 | TBB |
| EPA 200.8 | Cadmium | N | 0.559J | mg/kg dry | 1 | 0.124 | 3.93 | BFH2149 | 08/19/2022 10:15 | TBB |
| EPA 200.8 | Chromium | N | 0.375J | mg/kg dry | 1 | 0.289 | 11.8 | BFH2149 | 08/19/2022 10:15 | TBB |
| EPA 200.8 | Copper | N | 16.0 | mg/kg dry | 1 | 0.342 | 3.93 | BFH2149 | 08/19/2022 10:15 | TBB |
| Calc | Chromium (III) | | <17.4U | mg/kg (dry wt) dry | 1 | 17.4 | 60.2 | [CALC] | 08/19/2022 10:15 | EM |
| SW-7196 | Chromium (VI) | N | <17.1U | mg/kg (dry wt) dry | 1 | 17.1 | 48.4 | BFG1228 | 07/11/2022 17:09 | EM |
| SW-7471B | Mercury | A | <0.0426U | mg/kg dry | 1 | 0.0426 | 0.0853 | BFG2911 | 07/22/2022 16:36 | EM |
| EPA 200.8 | Lead | N | 0.497J | mg/kg dry | 1 | 0.297 | 1.96 | BFH2149 | 08/19/2022 10:15 | TBB |
| EPA 200.8 | Nickel | N | 4.52 | mg/kg dry | 1 | 0.0696 | 3.93 | BFH2149 | 08/19/2022 10:15 | TBB |
| EPA 200.8 | Selenium | N | <4.32U | mg/kg dry | 1 | 4.32 | 19.6 | BFH2149 | 08/19/2022 10:15 | TBB |
| EPA 200.8 | Silver | N | 0.155J | mg/kg dry | 1 | 0.0279 | 1.96 | BFH2149 | 08/19/2022 10:15 | TBB |
| EPA 200.8 | Thallium | N | <0.0271U | mg/kg dry | 1 | 0.0271 | 1.96 | BFH2149 | 08/19/2022 10:15 | TBB |
| EPA 200.8 | Zinc | N | 158 | mg/kg dry | 2 | 2.95 | 15.7 | BFH2149 | 08/19/2022 11:13 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.9 | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 5-5
Lab Sample ID: 22F4225-25
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <43.1 | U | ug/kg dry | 1 | 43.1 | 43.1 | BFG2556 | 08/12/2022 02:15 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <21.6 | B, U | ug/kg dry | 1 | 21.6 | 21.6 | BFG2556 | 08/12/2022 02:15 | KRB |
| SW-8270 | Phenol, Total | A | 336 | V | ug/kg dry | 1 | 43.1 | 43.1 | BFG2556 | 08/12/2022 02:15 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *24.8%* | *S* | *60-140* | | | | | *08/12/2022 02:15* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *65.2%* | | *60-140* | | | | | *08/12/2022 02:15* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *83.2%* | | *60-140* | | | | | *08/12/2022 02:15* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *82.2%* | | *60-140* | | | | | *08/12/2022 02:15* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *131%* | | *60-140* | | | | | *08/12/2022 02:15* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *27.3%* | *S* | *60-140* | | | | | *08/12/2022 02:15* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.358 | U | mg/kg dry | 1 | 0.358 | 4.45 | BFH1125 | 08/16/2022 12:58 | TBB |
| EPA 200.8 | Arsenic | N | 11.1 | | mg/kg dry | 1 | 0.547 | 2.22 | BFH1125 | 08/16/2022 12:58 | TBB |
| EPA 200.8 | Beryllium | N | <0.0445 | U | mg/kg dry | 1 | 0.0445 | 0.889 | BFH1125 | 08/17/2022 13:03 | TBB |
| EPA 200.8 | Cadmium | N | 0.604 | J | mg/kg dry | 1 | 0.141 | 4.45 | BFH1125 | 08/16/2022 12:58 | TBB |
| EPA 200.8 | Chromium | N | <0.327 | U | mg/kg dry | 1 | 0.327 | 13.3 | BFH1125 | 08/16/2022 12:58 | TBB |
| EPA 200.8 | Copper | N | 16.2 | | mg/kg dry | 1 | 0.387 | 4.45 | BFH1125 | 08/16/2022 12:58 | TBB |
| Calc | Chromium (III) | | <15.5 | U | mg/kg (dry wt) dry | 1 | 15.5 | 56.3 | [CALC] | 08/16/2022 12:58 | EM |
| SW-7196 | Chromium (VI) | N | 16.9 | J | mg/kg (dry wt) dry | 1 | 15.2 | 42.9 | BFG1228 | 07/11/2022 17:04 | EM |
| SW-7471B | Mercury | A | <0.0434 | U | mg/kg dry | 1 | 0.0434 | 0.0869 | BFG2911 | 07/22/2022 16:39 | EM |
| EPA 200.8 | Lead | N | 0.554 | J | mg/kg dry | 1 | 0.336 | 2.22 | BFH1125 | 08/16/2022 12:58 | TBB |
| EPA 200.8 | Nickel | N | 3.57 | J | mg/kg dry | 1 | 0.0787 | 4.45 | BFH1125 | 08/16/2022 12:58 | TBB |
| EPA 200.8 | Selenium | N | <4.89 | U | mg/kg dry | 1 | 4.89 | 22.2 | BFH1125 | 08/23/2022 10:14 | TBB |
| EPA 200.8 | Silver | N | 0.199 | J | mg/kg dry | 1 | 0.0316 | 2.22 | BFH1125 | 08/16/2022 12:58 | TBB |
| EPA 200.8 | Thallium | N | <0.0307 | U | mg/kg dry | 1 | 0.0307 | 2.22 | BFH1125 | 08/16/2022 12:58 | TBB |
| EPA 200.8 | Zinc | N | 129 | | mg/kg dry | 1 | 1.67 | 8.89 | BFH1125 | 08/16/2022 12:58 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.6 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 5-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-25RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 58.1 | V | ug/kg dry | 1 | 21.6 | 21.6 | BFG2556 | 08/17/2022 10:18 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *28.3%* | *S* | *60-140* | | | | | *08/17/2022 10:18* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *44.1%* | *S* | *60-140* | | | | | *08/17/2022 10:18* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *80.1%* | | *60-140* | | | | | *08/17/2022 10:18* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *76.2%* | | *60-140* | | | | | *08/17/2022 10:18* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *121%* | | *60-140* | | | | | *08/17/2022 10:18* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *45.0%* | *S* | *60-140* | | | | | *08/17/2022 10:18* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 6-1
Lab Sample ID: 22F4225-26
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <55.5U | ug/kg dry | 1 | 55.5 | 55.5 | BFG2556 | 08/12/2022 02:50 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <27.7B, U | ug/kg dry | 1 | 27.7 | 27.7 | BFG2556 | 08/12/2022 02:50 | KRB |
| SW-8270 | Phenol, Total | A | 751V | ug/kg dry | 1 | 55.5 | 55.5 | BFG2556 | 08/12/2022 02:50 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *42.9% S* | *60-140* | | | | | *08/12/2022 02:50* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *75.2%* | *60-140* | | | | | *08/12/2022 02:50* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *95.1%* | *60-140* | | | | | *08/12/2022 02:50* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *84.3%* | *60-140* | | | | | *08/12/2022 02:50* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *124%* | *60-140* | | | | | *08/12/2022 02:50* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *28.7% S* | *60-140* | | | | | *08/12/2022 02:50* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.408U | mg/kg dry | 1 | 0.408 | 5.07 | BFH1110 | 08/15/2022 11:27 | TBB |
| EPA 200.8 | Arsenic | N | 10.9 | mg/kg dry | 1 | 0.623 | 2.53 | BFH1110 | 08/15/2022 11:27 | TBB |
| EPA 200.8 | Beryllium | N | <0.0507U | mg/kg dry | 1 | 0.0507 | 1.01 | BFH1110 | 08/23/2022 16:00 | TBB |
| EPA 200.8 | Cadmium | N | 0.620J | mg/kg dry | 1 | 0.160 | 5.07 | BFH1110 | 08/15/2022 11:27 | TBB |
| EPA 200.8 | Chromium | N | 0.782J | mg/kg dry | 1 | 0.373 | 15.2 | BFH1110 | 08/15/2022 11:27 | TBB |
| EPA 200.8 | Copper | N | 13.4 | mg/kg dry | 1 | 0.441 | 5.07 | BFH1110 | 08/15/2022 11:27 | TBB |
| Calc | Chromium (III) | | <36.2U | mg/kg (dry wt) dry | 1 | 36.2 | 116 | [CALC] | 08/15/2022 11:27 | EM |
| SW-7196 | Chromium (VI) | N | <35.8U | mg/kg (dry wt) dry | 1 | 35.8 | 101 | BFG1228 | 07/11/2022 17:10 | EM |
| SW-7471B | Mercury | A | <0.0522U | mg/kg dry | 1 | 0.0522 | 0.104 | BFG2911 | 07/22/2022 16:49 | EM |
| EPA 200.8 | Lead | N | 0.489J | mg/kg dry | 1 | 0.383 | 2.53 | BFH1110 | 08/15/2022 11:27 | TBB |
| EPA 200.8 | Nickel | N | 3.88J | mg/kg dry | 1 | 0.0897 | 5.07 | BFH1110 | 08/15/2022 11:27 | TBB |
| EPA 200.8 | Selenium | N | <5.58U | mg/kg dry | 1 | 5.58 | 25.3 | BFH1110 | 08/23/2022 16:00 | TBB |
| EPA 200.8 | Silver | N | 0.186J | mg/kg dry | 1 | 0.0360 | 2.53 | BFH1110 | 08/15/2022 11:27 | TBB |
| EPA 200.8 | Thallium | N | <0.0350U | mg/kg dry | 1 | 0.0350 | 2.53 | BFH1110 | 08/15/2022 11:27 | TBB |
| EPA 200.8 | Zinc | N | 129 | mg/kg dry | 1 | 1.90 | 10.1 | BFH1110 | 08/16/2022 11:09 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 8.77 | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 6-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-26RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 74.2 | V | ug/kg dry | 1 | 27.7 | 27.7 | BFG2556 | 08/17/2022 10:52 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *34.1%* | *S* | *60-140* | | | | | *08/17/2022 10:52* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *40.8%* | *S* | *60-140* | | | | | *08/17/2022 10:52* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *74.8%* | | *60-140* | | | | | *08/17/2022 10:52* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *84.6%* | | *60-140* | | | | | *08/17/2022 10:52* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *105%* | | *60-140* | | | | | *08/17/2022 10:52* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *30.1%* | *S* | *60-140* | | | | | *08/17/2022 10:52* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 6-2
Lab Sample ID: 22F4225-27
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <47.7U | ug/kg dry | 1 | 47.7 | 47.7 | BFG2556 | 08/12/2022 03:24 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <23.8B, U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2556 | 08/12/2022 03:24 | KRB |
| SW-8270 | Phenol, Total | A | 605V | ug/kg dry | 1 | 47.7 | 47.7 | BFG2556 | 08/12/2022 03:24 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *19.6% S* | *60-140* | | | | | *08/12/2022 03:24* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *57.6% S* | *60-140* | | | | | *08/12/2022 03:24* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *77.2%* | *60-140* | | | | | *08/12/2022 03:24* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *88.2%* | *60-140* | | | | | *08/12/2022 03:24* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *109%* | *60-140* | | | | | *08/12/2022 03:24* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *35.3% S* | *60-140* | | | | | *08/12/2022 03:24* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.308U | mg/kg dry | 1 | 0.308 | 3.82 | BFH1125 | 08/17/2022 13:38 | TBB |
| EPA 200.8 | Arsenic | N | 10.1 | mg/kg dry | 1 | 0.470 | 1.91 | BFH1125 | 08/17/2022 13:38 | TBB |
| EPA 200.8 | Beryllium | N | <0.0382U | mg/kg dry | 1 | 0.0382 | 0.764 | BFH1125 | 08/17/2022 13:38 | TBB |
| EPA 200.8 | Cadmium | N | 0.502J | mg/kg dry | 1 | 0.121 | 3.82 | BFH1125 | 08/17/2022 13:38 | TBB |
| EPA 200.8 | Chromium | N | 0.501J | mg/kg dry | 1 | 0.281 | 11.5 | BFH1125 | 08/17/2022 13:38 | TBB |
| EPA 200.8 | Copper | N | 15.1 | mg/kg dry | 1 | 0.332 | 3.82 | BFH1125 | 08/17/2022 13:38 | TBB |
| Calc | Chromium (III) | | <18.6U | mg/kg (dry wt) dry | 1 | 18.6 | 63.2 | [CALC] | 08/17/2022 13:38 | EM |
| SW-7196 | Chromium (VI) | N | <18.3U | mg/kg (dry wt) dry | 1 | 18.3 | 51.7 | BFG1228 | 07/11/2022 17:11 | EM |
| SW-7471B | Mercury | A | <0.0441U | mg/kg dry | 1 | 0.0441 | 0.0882 | BFH0373 | 08/03/2022 18:04 | EM |
| EPA 200.8 | Lead | N | 0.511J | mg/kg dry | 1 | 0.288 | 1.91 | BFH1125 | 08/17/2022 13:38 | TBB |
| EPA 200.8 | Nickel | N | 3.34J | mg/kg dry | 1 | 0.0676 | 3.82 | BFH1125 | 08/17/2022 13:38 | TBB |
| EPA 200.8 | Selenium | N | <4.20U | mg/kg dry | 1 | 4.20 | 19.1 | BFH1125 | 08/23/2022 10:49 | TBB |
| EPA 200.8 | Silver | N | 0.209J | mg/kg dry | 1 | 0.0271 | 1.91 | BFH1125 | 08/17/2022 13:38 | TBB |
| EPA 200.8 | Thallium | N | <0.0264U | mg/kg dry | 1 | 0.0264 | 1.91 | BFH1125 | 08/17/2022 13:38 | TBB |
| EPA 200.8 | Zinc | N | 111 | mg/kg dry | 1 | 1.43 | 7.64 | BFH1125 | 08/23/2022 10:49 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.5 | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 6-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-27RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 55.6 | V | ug/kg dry | 1 | 23.8 | 23.8 | BFG2556 | 08/17/2022 11:26 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *27.4%* | *S* | *60-140* | | | | | *08/17/2022 11:26* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *50.2%* | *S* | *60-140* | | | | | *08/17/2022 11:26* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *76.8%* | | *60-140* | | | | | *08/17/2022 11:26* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *99.4%* | | *60-140* | | | | | *08/17/2022 11:26* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *96.5%* | | *60-140* | | | | | *08/17/2022 11:26* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *37.2%* | *S* | *60-140* | | | | | *08/17/2022 11:26* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 6-3
Lab Sample ID: 22F4225-28
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <46.0 | U | ug/kg dry | 1 | 46.0 | 46.0 | BFG2556 | 08/12/2022 03:58 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 27.4 | V | ug/kg dry | 1 | 23.0 | 23.0 | BFG2556 | 08/12/2022 03:58 | KRB |
| SW-8270 | Phenol, Total | A | 700 | V | ug/kg dry | 1 | 46.0 | 46.0 | BFG2556 | 08/12/2022 03:58 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *25.8%* | *S* | *60-140* | | | | | *08/12/2022 03:58* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *55.0%* | *S* | *60-140* | | | | | *08/12/2022 03:58* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *96.7%* | | *60-140* | | | | | *08/12/2022 03:58* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *108%* | | *60-140* | | | | | *08/12/2022 03:58* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *132%* | | *60-140* | | | | | *08/12/2022 03:58* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *47.2%* | *S* | *60-140* | | | | | *08/12/2022 03:58* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.334 | U | mg/kg dry | 1 | 0.334 | 4.15 | BFH2043 | 08/22/2022 17:23 | TBB |
| EPA 200.8 | Arsenic | N | 9.79 | | mg/kg dry | 1 | 0.510 | 2.07 | BFH2043 | 08/17/2022 17:44 | TBB |
| EPA 200.8 | Beryllium | N | <0.0415 | U | mg/kg dry | 1 | 0.0415 | 0.829 | BFH2043 | 08/25/2022 12:16 | TBB |
| EPA 200.8 | Cadmium | N | 0.516 | J | mg/kg dry | 1 | 0.131 | 4.15 | BFH2043 | 08/17/2022 17:44 | TBB |
| EPA 200.8 | Chromium | N | 0.361 | J | mg/kg dry | 1 | 0.305 | 12.4 | BFH2043 | 08/17/2022 17:44 | TBB |
| EPA 200.8 | Copper | N | 13.6 | | mg/kg dry | 1 | 0.361 | 4.15 | BFH2043 | 08/17/2022 17:44 | TBB |
| Calc | Chromium (III) | | <17.8 | U | mg/kg (dry wt) dry | 1 | 17.8 | 61.8 | [CALC] | 08/17/2022 17:44 | EM |
| SW-7196 | Chromium (VI) | N | <17.5 | U | mg/kg (dry wt) dry | 1 | 17.5 | 49.4 | BFG1228 | 07/11/2022 17:12 | EM |
| SW-7471B | Mercury | A | <0.0433 | U | mg/kg dry | 1 | 0.0433 | 0.0867 | BFH0643 | 08/04/2022 16:39 | EM |
| EPA 200.8 | Lead | N | 0.609 | J | mg/kg dry | 1 | 0.313 | 2.07 | BFH2043 | 08/22/2022 17:23 | TBB |
| EPA 200.8 | Nickel | N | 3.39 | J | mg/kg dry | 1 | 0.0734 | 4.15 | BFH2043 | 08/17/2022 17:44 | TBB |
| EPA 200.8 | Selenium | N | <4.56 | U | mg/kg dry | 1 | 4.56 | 20.7 | BFH2043 | 08/25/2022 10:17 | TBB |
| EPA 200.8 | Silver | N | 0.192 | J | mg/kg dry | 1 | 0.0294 | 2.07 | BFH2043 | 08/17/2022 17:44 | TBB |
| EPA 200.8 | Thallium | N | <0.0286 | U | mg/kg dry | 1 | 0.0286 | 2.07 | BFH2043 | 08/17/2022 17:44 | TBB |
| EPA 200.8 | Zinc | N | 167 | | mg/kg dry | 2 | 3.11 | 16.6 | BFH2043 | 08/22/2022 18:08 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.3 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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|---|---|---|
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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 6-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-28RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 46.3 | V | ug/kg dry | 1 | 23.0 | 23.0 | BFG2556 | 08/17/2022 12:01 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *29.6%* | *S* | *60-140* | | | | | *08/17/2022 12:01* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *49.6%* | *S* | *60-140* | | | | | *08/17/2022 12:01* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *71.6%* | | *60-140* | | | | | *08/17/2022 12:01* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *99.0%* | | *60-140* | | | | | *08/17/2022 12:01* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *136%* | | *60-140* | | | | | *08/17/2022 12:01* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *43.1%* | *S* | *60-140* | | | | | *08/17/2022 12:01* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 6-4
Lab Sample ID: 22F4225-29
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <45.5U | ug/kg dry | 1 | 45.5 | 45.5 | BFG2556 | 08/12/2022 04:32 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <22.8B, U | ug/kg dry | 1 | 22.8 | 22.8 | BFG2556 | 08/12/2022 04:32 | KRB |
| SW-8270 | Phenol, Total | A | 384V | ug/kg dry | 1 | 45.5 | 45.5 | BFG2556 | 08/12/2022 04:32 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *18.0% S* | *60-140* | | | | | *08/12/2022 04:32* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *50.5% S* | *60-140* | | | | | *08/12/2022 04:32* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *59.2% S* | *60-140* | | | | | *08/12/2022 04:32* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *92.3%* | *60-140* | | | | | *08/12/2022 04:32* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *105%* | *60-140* | | | | | *08/12/2022 04:32* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *28.1% S* | *60-140* | | | | | *08/12/2022 04:32* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.329U | mg/kg dry | 1 | 0.329 | 4.08 | BFH2042 | 08/22/2022 15:19 | TBB |
| EPA 200.8 | Arsenic | N | 7.75 | mg/kg dry | 1 | 0.502 | 2.04 | BFH2042 | 08/17/2022 18:32 | TBB |
| EPA 200.8 | Beryllium | N | <0.0408U | mg/kg dry | 1 | 0.0408 | 0.816 | BFH2042 | 08/22/2022 15:19 | TBB |
| EPA 200.8 | Cadmium | N | 0.400J | mg/kg dry | 1 | 0.129 | 4.08 | BFH2042 | 08/17/2022 18:32 | TBB |
| EPA 200.8 | Chromium | N | <0.300U | mg/kg dry | 1 | 0.300 | 12.2 | BFH2042 | 08/17/2022 18:32 | TBB |
| EPA 200.8 | Copper | N | 11.1 | mg/kg dry | 1 | 0.355 | 4.08 | BFH2042 | 08/17/2022 18:32 | TBB |
| Calc | Chromium (III) | | <17.2U | mg/kg (dry wt) dry | 1 | 17.2 | 60.0 | [CALC] | 08/17/2022 18:32 | EM |
| SW-7196 | Chromium (VI) | N | <16.9U | mg/kg (dry wt) dry | 1 | 16.9 | 47.8 | BFG1228 | 07/11/2022 17:13 | EM |
| SW-7471B | Mercury | A | <0.0436U | mg/kg dry | 1 | 0.0436 | 0.0871 | BFH0643 | 08/04/2022 16:42 | EM |
| EPA 200.8 | Lead | N | 0.526J | mg/kg dry | 1 | 0.308 | 2.04 | BFH2042 | 08/22/2022 15:19 | TBB |
| EPA 200.8 | Nickel | N | 2.88J | mg/kg dry | 1 | 0.0722 | 4.08 | BFH2042 | 08/17/2022 18:32 | TBB |
| EPA 200.8 | Selenium | N | <4.49U | mg/kg dry | 1 | 4.49 | 20.4 | BFH2042 | 08/23/2022 19:48 | TBB |
| EPA 200.8 | Silver | N | 0.182J | mg/kg dry | 1 | 0.0290 | 2.04 | BFH2042 | 08/22/2022 15:19 | TBB |
| EPA 200.8 | Thallium | N | <0.0282U | mg/kg dry | 1 | 0.0282 | 2.04 | BFH2042 | 08/17/2022 18:32 | TBB |
| EPA 200.8 | Zinc | N | 102 | mg/kg dry | 1 | 1.53 | 8.16 | BFH2042 | 08/22/2022 18:34 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.8 | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 6-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-29RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 46.0 | V | ug/kg dry | 1 | 22.8 | 22.8 | BFG2556 | 08/17/2022 12:35 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *20.9%* | *S* | *60-140* | | | | | *08/17/2022 12:35* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *47.4%* | *S* | *60-140* | | | | | *08/17/2022 12:35* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *80.6%* | | *60-140* | | | | | *08/17/2022 12:35* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *106%* | | *60-140* | | | | | *08/17/2022 12:35* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *107%* | | *60-140* | | | | | *08/17/2022 12:35* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *46.9%* | *S* | *60-140* | | | | | *08/17/2022 12:35* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 6-5
Lab Sample ID: 22F4225-30
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <41.3U | ug/kg dry | 1 | 41.3 | 41.3 | BFG2556 | 08/12/2022 05:07 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <20.7B, U | ug/kg dry | 1 | 20.7 | 20.7 | BFG2556 | 08/12/2022 05:07 | KRB |
| SW-8270 | Phenol, Total | A | 373V | ug/kg dry | 1 | 41.3 | 41.3 | BFG2556 | 08/12/2022 05:07 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *20.7% S* | *60-140* | | | | | *08/12/2022 05:07* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *60.3%* | *60-140* | | | | | *08/12/2022 05:07* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *78.2%* | *60-140* | | | | | *08/12/2022 05:07* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *65.1%* | *60-140* | | | | | *08/12/2022 05:07* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *96.2%* | *60-140* | | | | | *08/12/2022 05:07* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *25.1% S* | *60-140* | | | | | *08/12/2022 05:07* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.382U | mg/kg dry | 1 | 0.382 | 4.75 | BFH2042 | 08/22/2022 15:21 | TBB |
| EPA 200.8 | Arsenic | N | 9.83 | mg/kg dry | 1 | 0.584 | 2.37 | BFH2042 | 08/17/2022 18:42 | TBB |
| EPA 200.8 | Beryllium | N | <0.0475U | mg/kg dry | 1 | 0.0475 | 0.949 | BFH2042 | 08/22/2022 15:21 | TBB |
| EPA 200.8 | Cadmium | N | 0.570J | mg/kg dry | 1 | 0.150 | 4.75 | BFH2042 | 08/17/2022 18:42 | TBB |
| EPA 200.8 | Chromium | N | 0.438J | mg/kg dry | 1 | 0.349 | 14.2 | BFH2042 | 08/17/2022 18:42 | TBB |
| EPA 200.8 | Copper | N | 13.7 | mg/kg dry | 1 | 0.413 | 4.75 | BFH2042 | 08/17/2022 18:42 | TBB |
| Calc | Chromium (III) | | <18.7U | mg/kg (dry wt) dry | 1 | 18.7 | 66.0 | [CALC] | 08/17/2022 18:42 | EM |
| SW-7196 | Chromium (VI) | N | <18.3U | mg/kg (dry wt) dry | 1 | 18.3 | 51.8 | BFG1228 | 07/11/2022 17:18 | EM |
| SW-7471B | Mercury | A | <0.0463U | mg/kg dry | 1 | 0.0463 | 0.0927 | BFH2169 | 08/16/2022 18:53 | NAZ |
| EPA 200.8 | Lead | N | 0.647J | mg/kg dry | 1 | 0.358 | 2.37 | BFH2042 | 08/22/2022 15:21 | TBB |
| EPA 200.8 | Nickel | N | 4.40J | mg/kg dry | 1 | 0.0840 | 4.75 | BFH2042 | 08/17/2022 18:42 | TBB |
| EPA 200.8 | Selenium | N | <5.22U | mg/kg dry | 1 | 5.22 | 23.7 | BFH2042 | 08/23/2022 19:50 | TBB |
| EPA 200.8 | Silver | N | 0.182J | mg/kg dry | 1 | 0.0337 | 2.37 | BFH2042 | 08/22/2022 15:21 | TBB |
| EPA 200.8 | Thallium | N | <0.0328U | mg/kg dry | 1 | 0.0328 | 2.37 | BFH2042 | 08/17/2022 18:42 | TBB |
| EPA 200.8 | Zinc | N | 149 | mg/kg dry | 1 | 1.78 | 9.49 | BFH2042 | 08/22/2022 18:36 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.3 | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 6-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-30RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 44.8 | V | ug/kg dry | 1 | 20.7 | 20.7 | BFG2556 | 08/17/2022 13:09 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *22.0%* | *S* | *60-140* | | | | | *08/17/2022 13:09* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *51.9%* | *S* | *60-140* | | | | | *08/17/2022 13:09* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *80.5%* | | *60-140* | | | | | *08/17/2022 13:09* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *68.0%* | | *60-140* | | | | | *08/17/2022 13:09* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *90.5%* | | *60-140* | | | | | *08/17/2022 13:09* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *34.1%* | *S* | *60-140* | | | | | *08/17/2022 13:09* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-1
Lab Sample ID: 22F4225-31
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <49.6U | ug/kg dry | 1 | 49.6 | 49.6 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Acenaphthene | A | <24.8U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Acenaphthylene | A | <24.8U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Anthracene | A | <24.8U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <24.8U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <49.6U | ug/kg dry | 1 | 49.6 | 49.6 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <24.8B, U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Chrysene | A | <24.8U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <24.8B, U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Fluoranthene | A | 64.4 | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Fluorene | A | <24.8U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Naphthalene | A | <24.8U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Phenanthrene | A | 109 | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| SW-8270 | Pyrene | A | 56.6 | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/03/2022 00:59 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *47.1% S* | *60-140* | | | | | *08/03/2022 00:59* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *56.7% S* | *60-140* | | | | | *08/03/2022 00:59* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *86.1%* | *60-140* | | | | | *08/03/2022 00:59* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *105%* | *60-140* | | | | | *08/03/2022 00:59* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *103%* | *60-140* | | | | | *08/03/2022 00:59* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *34.7% S* | *60-140* | | | | | *08/03/2022 00:59* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <36.0U | ug/kg dry | 1 | 36.0 | 36.0 | BFG2419 | 08/20/2022 07:48 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *78.6%* | *60-140* | | | | | *08/20/2022 07:48* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *41.9% S* | *60-140* | | | | | *08/20/2022 07:48* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.381U | mg/kg dry | 1 | 0.381 | 4.74 | BFH2043 | 08/22/2022 17:25 | TBB |
| EPA 200.8 | Arsenic | N | 8.79 | mg/kg dry | 1 | 0.583 | 2.37 | BFH2043 | 08/17/2022 17:46 | TBB |
| EPA 200.8 | Beryllium | N | <0.0474U | mg/kg dry | 1 | 0.0474 | 0.947 | BFH2043 | 08/25/2022 12:19 | TBB |
| EPA 200.8 | Cadmium | N | 0.586J | mg/kg dry | 1 | 0.150 | 4.74 | BFH2043 | 08/17/2022 17:46 | TBB |
| EPA 200.8 | Chromium | N | 0.441J | mg/kg dry | 1 | 0.348 | 14.2 | BFH2043 | 08/17/2022 17:46 | TBB |
| EPA 200.8 | Copper | N | 12.5 | mg/kg dry | 1 | 0.412 | 4.74 | BFH2043 | 08/17/2022 17:46 | TBB |
| Calc | Chromium (III) | | <19.6U | mg/kg (dry wt) dry | 1 | 19.6 | 68.7 | [CALC] | 08/17/2022 17:46 | EM |
| SW-7196 | Chromium (VI) | N | <19.3U | mg/kg (dry wt) dry | 1 | 19.3 | 54.4 | BFG1228 | 07/11/2022 17:19 | EM |
| SW-7471B | Mercury | A | <0.0470U | mg/kg dry | 1 | 0.0470 | 0.0940 | BFH0643 | 08/04/2022 16:52 | EM |
| EPA 200.8 | Lead | N | 0.639J | mg/kg dry | 1 | 0.358 | 2.37 | BFH2043 | 08/22/2022 17:25 | TBB |
| EPA 200.8 | Nickel | N | 3.26J | mg/kg dry | 1 | 0.0838 | 4.74 | BFH2043 | 08/17/2022 17:46 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-1 (Continued)
Lab Sample ID: 22F4225-31
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Selenium | N | <5.21 | U | mg/kg dry | 1 | 5.21 | 23.7 | BFH2043 | 08/25/2022 10:19 | TBB |
| EPA 200.8 | Silver | N | 0.165 | J | mg/kg dry | 1 | 0.0336 | 2.37 | BFH2043 | 08/17/2022 17:46 | TBB |
| EPA 200.8 | Thallium | N | <0.0327 | U | mg/kg dry | 1 | 0.0327 | 2.37 | BFH2043 | 08/17/2022 17:46 | TBB |
| EPA 200.8 | Zinc | N | 160 | | mg/kg dry | 2 | 3.56 | 18.9 | BFH2043 | 08/22/2022 18:10 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.90 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 7-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-31RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <24.8 | U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/17/2022 02:54 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <24.8 | U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/17/2022 02:54 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <24.8 | U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/17/2022 02:54 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <24.8 | U | ug/kg dry | 1 | 24.8 | 24.8 | BFG2359 | 08/17/2022 02:54 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 264 | V | ug/kg dry | 1 | 49.6 | 49.6 | BFG2359 | 08/17/2022 02:54 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *77.8%* | | *60-140* | | | | | *08/17/2022 02:54* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *78.1%* | | *60-140* | | | | | *08/17/2022 02:54* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *92.9%* | | *60-140* | | | | | *08/17/2022 02:54* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *96.1%* | | *60-140* | | | | | *08/17/2022 02:54* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *113%* | | *60-140* | | | | | *08/17/2022 02:54* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *51.0%* | *S* | *60-140* | | | | | *08/17/2022 02:54* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-2
Lab Sample ID: 22F4225-32
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <49.1U | ug/kg dry | 1 | 49.1 | 49.1 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Acenaphthene | A | <24.5U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Acenaphthylene | A | <24.5U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Anthracene | A | <24.5U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <24.5U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <49.1U | ug/kg dry | 1 | 49.1 | 49.1 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <24.5B, U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Chrysene | A | <24.5U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <24.5B, U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Fluoranthene | A | 38.3 | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Fluorene | A | <24.5U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Naphthalene | A | <24.5U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Phenanthrene | A | 72.7 | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| SW-8270 | Pyrene | A | 28.5 | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/03/2022 01:34 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *47.3% S* | *60-140* | | | | | *08/03/2022 01:34* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *81.2%* | *60-140* | | | | | *08/03/2022 01:34* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *124%* | *60-140* | | | | | *08/03/2022 01:34* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *83.7%* | *60-140* | | | | | *08/03/2022 01:34* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *116%* | *60-140* | | | | | *08/03/2022 01:34* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *31.2% S* | *60-140* | | | | | *08/03/2022 01:34* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <42.8U | ug/kg dry | 1 | 42.8 | 42.8 | BFG2419 | 08/20/2022 08:11 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *269% S* | *60-140* | | | | | *08/20/2022 08:11* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *76.9%* | *60-140* | | | | | *08/20/2022 08:11* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.384U | mg/kg dry | 1 | 0.384 | 4.77 | BFH2043 | 08/22/2022 17:28 | TBB |
| EPA 200.8 | Arsenic | N | 9.17 | mg/kg dry | 1 | 0.587 | 2.38 | BFH2043 | 08/17/2022 17:49 | TBB |
| EPA 200.8 | Beryllium | N | <0.0477U | mg/kg dry | 1 | 0.0477 | 0.954 | BFH2043 | 08/25/2022 12:22 | TBB |
| EPA 200.8 | Cadmium | N | 0.614J | mg/kg dry | 1 | 0.151 | 4.77 | BFH2043 | 08/17/2022 17:49 | TBB |
| EPA 200.8 | Chromium | N | 0.413J | mg/kg dry | 1 | 0.351 | 14.3 | BFH2043 | 08/17/2022 17:49 | TBB |
| EPA 200.8 | Copper | N | 14.4 | mg/kg dry | 1 | 0.415 | 4.77 | BFH2043 | 08/17/2022 17:49 | TBB |
| Calc | Chromium (III) | | <21.5U | mg/kg (dry wt) dry | 1 | 21.5 | 73.9 | [CALC] | 08/17/2022 17:49 | EM |
| SW-7196 | Chromium (VI) | N | <21.1U | mg/kg (dry wt) dry | 1 | 21.1 | 59.6 | BFG1228 | 07/11/2022 17:24 | EM |
| SW-7471B | Mercury | A | <0.0495U | mg/kg dry | 1 | 0.0495 | 0.0990 | BFH0643 | 08/04/2022 16:55 | EM |
| EPA 200.8 | Lead | N | 0.700J | mg/kg dry | 1 | 0.360 | 2.38 | BFH2043 | 08/22/2022 17:28 | TBB |
| EPA 200.8 | Nickel | N | 3.23J | mg/kg dry | 1 | 0.0844 | 4.77 | BFH2043 | 08/17/2022 17:49 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-2 (Continued)
Lab Sample ID: 22F4225-32
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Selenium | N | <5.25 | U | mg/kg dry | 1 | 5.25 | 23.8 | BFH2043 | 08/25/2022 10:22 | TBB |
| EPA 200.8 | Silver | N | 0.207 | J | mg/kg dry | 1 | 0.0339 | 2.38 | BFH2043 | 08/17/2022 17:49 | TBB |
| EPA 200.8 | Thallium | N | <0.0329 | U | mg/kg dry | 1 | 0.0329 | 2.38 | BFH2043 | 08/17/2022 17:49 | TBB |
| EPA 200.8 | Zinc | N | 155 | | mg/kg dry | 2 | 3.58 | 19.1 | BFH2043 | 08/22/2022 18:13 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.12 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-2
Lab Sample ID: 22F4225-32RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <24.5 | U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/17/2022 03:28 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <24.5 | U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/17/2022 03:28 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <24.5 | U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/17/2022 03:28 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <24.5 | U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2359 | 08/17/2022 03:28 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 226 | V | ug/kg dry | 1 | 49.1 | 49.1 | BFG2359 | 08/17/2022 03:28 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *73.3%* | | *60-140* | | | | | *08/17/2022 03:28* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *68.5%* | | *60-140* | | | | | *08/17/2022 03:28* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *92.6%* | | *60-140* | | | | | *08/17/2022 03:28* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *74.9%* | | *60-140* | | | | | *08/17/2022 03:28* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *110%* | | *60-140* | | | | | *08/17/2022 03:28* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *56.0%* | *S* | *60-140* | | | | | *08/17/2022 03:28* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-3
Lab Sample ID: 22F4225-33
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <45.8U | ug/kg dry | 1 | 45.8 | 45.8 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Acenaphthene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Acenaphthylene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Anthracene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <45.8U | ug/kg dry | 1 | 45.8 | 45.8 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <22.9B, U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Chrysene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 180V | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Fluoranthene | A | 53.4 | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Fluorene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Naphthalene | A | <22.9U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Phenanthrene | A | 114 | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| SW-8270 | Pyrene | A | 35.6 | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/03/2022 02:08 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *36.7% S* | *60-140* | | | | | *08/03/2022 02:08* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *49.7% S* | *60-140* | | | | | *08/03/2022 02:08* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *83.5%* | *60-140* | | | | | *08/03/2022 02:08* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *108%* | *60-140* | | | | | *08/03/2022 02:08* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *106%* | *60-140* | | | | | *08/03/2022 02:08* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *38.2% S* | *60-140* | | | | | *08/03/2022 02:08* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <34.7U | ug/kg dry | 1 | 34.7 | 34.7 | BFG2419 | 08/24/2022 20:27 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *134%* | *60-140* | | | | | *08/24/2022 20:27* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *88.3%* | *60-140* | | | | | *08/24/2022 20:27* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.282U | mg/kg dry | 1 | 0.282 | 3.50 | BFH2043 | 08/22/2022 17:30 | TBB |
| EPA 200.8 | Arsenic | N | 9.30 | mg/kg dry | 1 | 0.431 | 1.75 | BFH2043 | 08/17/2022 17:51 | TBB |
| EPA 200.8 | Beryllium | N | <0.0350U | mg/kg dry | 1 | 0.0350 | 0.700 | BFH2043 | 08/25/2022 12:25 | TBB |
| EPA 200.8 | Cadmium | N | 0.586J | mg/kg dry | 1 | 0.111 | 3.50 | BFH2043 | 08/17/2022 17:51 | TBB |
| EPA 200.8 | Chromium | N | 0.307J | mg/kg dry | 1 | 0.257 | 10.5 | BFH2043 | 08/17/2022 17:51 | TBB |
| EPA 200.8 | Copper | N | 12.4 | mg/kg dry | 1 | 0.305 | 3.50 | BFH2043 | 08/17/2022 17:51 | TBB |
| Calc | Chromium (III) | | <18.5U | mg/kg (dry wt) dry | 1 | 18.5 | 62.1 | [CALC] | 08/17/2022 17:51 | EM |
| SW-7196 | Chromium (VI) | N | <18.3U | mg/kg (dry wt) dry | 1 | 18.3 | 51.6 | BFG1228 | 07/11/2022 17:28 | EM |
| SW-7471B | Mercury | A | <0.0395U | mg/kg dry | 1 | 0.0395 | 0.0789 | BFH0643 | 08/04/2022 16:59 | EM |
| EPA 200.8 | Lead | N | 0.757J | mg/kg dry | 1 | 0.264 | 1.75 | BFH2043 | 08/22/2022 17:30 | TBB |
| EPA 200.8 | Nickel | N | 2.92J | mg/kg dry | 1 | 0.0620 | 3.50 | BFH2043 | 08/17/2022 17:51 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-3 (Continued)
Lab Sample ID: 22F4225-33
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Selenium | N | <3.85 | U | mg/kg dry | 1 | 3.85 | 17.5 | BFH2043 | 08/25/2022 10:25 | TBB |
| EPA 200.8 | Silver | N | 0.142 | J | mg/kg dry | 1 | 0.0249 | 1.75 | BFH2043 | 08/17/2022 17:51 | TBB |
| EPA 200.8 | Thallium | N | <0.0242 | U | mg/kg dry | 1 | 0.0242 | 1.75 | BFH2043 | 08/17/2022 17:51 | TBB |
| EPA 200.8 | Zinc | N | 165 | | mg/kg dry | 2 | 2.63 | 14.0 | BFH2043 | 08/22/2022 18:22 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.1 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 7-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-33RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <22.9 | U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/17/2022 04:03 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <22.9 | U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/17/2022 04:03 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <22.9 | U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/17/2022 04:03 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <22.9 | U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2359 | 08/17/2022 04:03 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 289 | V | ug/kg dry | 1 | 45.8 | 45.8 | BFG2359 | 08/17/2022 04:03 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *59.5%* | *S* | *60-140* | | | | | *08/17/2022 04:03* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *67.2%* | | *60-140* | | | | | *08/17/2022 04:03* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *86.7%* | | *60-140* | | | | | *08/17/2022 04:03* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *109%* | | *60-140* | | | | | *08/17/2022 04:03* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *132%* | | *60-140* | | | | | *08/17/2022 04:03* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *44.4%* | *S* | *60-140* | | | | | *08/17/2022 04:03* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-4
Lab Sample ID: 22F4225-34
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <51.8U | ug/kg dry | 1 | 51.8 | 51.8 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Acenaphthene | A | <25.9U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Acenaphthylene | A | <25.9U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Anthracene | A | <25.9U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <25.9U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <51.8U | ug/kg dry | 1 | 51.8 | 51.8 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <25.9B, U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Chrysene | A | <25.9U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 34.9V | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Fluoranthene | A | 69.5 | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Fluorene | A | <25.9U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Naphthalene | A | <25.9U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Phenanthrene | A | 126 | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| SW-8270 | Pyrene | A | 51.8 | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/03/2022 02:42 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *74.1%* | *60-140* | | | | | *08/03/2022 02:42* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *94.2%* | *60-140* | | | | | *08/03/2022 02:42* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *112%* | *60-140* | | | | | *08/03/2022 02:42* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *78.5%* | *60-140* | | | | | *08/03/2022 02:42* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *101%* | *60-140* | | | | | *08/03/2022 02:42* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *40.3% S* | *60-140* | | | | | *08/03/2022 02:42* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <40.4U | ug/kg dry | 1 | 40.4 | 40.4 | BFG2419 | 08/20/2022 09:21 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *186% S* | *60-140* | | | | | *08/20/2022 09:21* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *108%* | *60-140* | | | | | *08/20/2022 09:21* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.361U | mg/kg dry | 1 | 0.361 | 4.49 | BFH2042 | 08/22/2022 14:56 | TBB |
| EPA 200.8 | Arsenic | N | 7.32 | mg/kg dry | 1 | 0.552 | 2.24 | BFH2042 | 08/17/2022 18:16 | TBB |
| EPA 200.8 | Beryllium | N | <0.0449U | mg/kg dry | 1 | 0.0449 | 0.898 | BFH2042 | 08/22/2022 14:56 | TBB |
| EPA 200.8 | Cadmium | N | 0.495J | mg/kg dry | 1 | 0.142 | 4.49 | BFH2042 | 08/17/2022 18:16 | TBB |
| EPA 200.8 | Chromium | N | <0.330U | mg/kg dry | 1 | 0.330 | 13.5 | BFH2042 | 08/17/2022 18:16 | TBB |
| EPA 200.8 | Copper | N | 11.6 | mg/kg dry | 1 | 0.390 | 4.49 | BFH2042 | 08/17/2022 18:16 | TBB |
| Calc | Chromium (III) | | <20.7U | mg/kg (dry wt) dry | 1 | 20.7 | 71.1 | [CALC] | 08/17/2022 18:16 | EM |
| SW-7196 | Chromium (VI) | N | <20.4U | mg/kg (dry wt) dry | 1 | 20.4 | 57.6 | BFG1228 | 07/11/2022 17:25 | EM |
| SW-7471B | Mercury | A | <0.0443U | mg/kg dry | 1 | 0.0443 | 0.0885 | BFH0643 | 08/04/2022 17:02 | EM |
| EPA 200.8 | Lead | N | 0.479J | mg/kg dry | 1 | 0.339 | 2.24 | BFH2042 | 08/22/2022 14:56 | TBB |
| EPA 200.8 | Nickel | N | 3.53J | mg/kg dry | 1 | 0.0794 | 4.49 | BFH2042 | 08/17/2022 18:16 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-4 (Continued)
Lab Sample ID: 22F4225-34
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Selenium | N | <4.94 | U | mg/kg dry | 1 | 4.94 | 22.4 | BFH2042 | 08/23/2022 19:22 | TBB |
| EPA 200.8 | Silver | N | 0.198 | J | mg/kg dry | 1 | 0.0319 | 2.24 | BFH2042 | 08/22/2022 14:56 | TBB |
| EPA 200.8 | Thallium | N | <0.0310 | U | mg/kg dry | 1 | 0.0310 | 2.24 | BFH2042 | 08/17/2022 18:16 | TBB |
| EPA 200.8 | Zinc | N | 135 | | mg/kg dry | 1 | 1.69 | 8.98 | BFH2042 | 08/22/2022 14:56 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.16 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-4
Lab Sample ID: 22F4225-34RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <25.9 | U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/17/2022 04:37 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <25.9 | U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/17/2022 04:37 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <25.9 | U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/17/2022 04:37 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <25.9 | U | ug/kg dry | 1 | 25.9 | 25.9 | BFG2359 | 08/17/2022 04:37 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 256 | V | ug/kg dry | 1 | 51.8 | 51.8 | BFG2359 | 08/17/2022 04:37 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *77.3%* | | *60-140* | | | | | *08/17/2022 04:37* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *71.1%* | | *60-140* | | | | | *08/17/2022 04:37* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *88.7%* | | *60-140* | | | | | *08/17/2022 04:37* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *122%* | | *60-140* | | | | | *08/17/2022 04:37* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *137%* | | *60-140* | | | | | *08/17/2022 04:37* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *56.2%* | *S* | *60-140* | | | | | *08/17/2022 04:37* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-5
Lab Sample ID: 22F4225-35
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <50.4U | ug/kg dry | 1 | 50.4 | 50.4 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Acenaphthene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Acenaphthylene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Anthracene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <50.4U | ug/kg dry | 1 | 50.4 | 50.4 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <25.2B, U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Chrysene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 57.0V | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Fluoranthene | A | 45.8 | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Fluorene | A | 32.8 | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Naphthalene | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Phenanthrene | A | 91.5 | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| SW-8270 | Pyrene | A | 27.1 | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/03/2022 03:17 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *47.2% S* | *60-140* | | | | | *08/03/2022 03:17* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *61.8%* | *60-140* | | | | | *08/03/2022 03:17* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *87.4%* | *60-140* | | | | | *08/03/2022 03:17* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *125%* | *60-140* | | | | | *08/03/2022 03:17* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *105%* | *60-140* | | | | | *08/03/2022 03:17* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *28.1% S* | *60-140* | | | | | *08/03/2022 03:17* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <40.7U | ug/kg dry | 1 | 40.7 | 40.7 | BFG2419 | 08/20/2022 10:08 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *133%* | *60-140* | | | | | *08/20/2022 10:08* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *80.8%* | *60-140* | | | | | *08/20/2022 10:08* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.448U | mg/kg dry | 1 | 0.448 | 5.56 | BFH2042 | 08/22/2022 14:58 | TBB |
| EPA 200.8 | Arsenic | N | 8.87 | mg/kg dry | 1 | 0.684 | 2.78 | BFH2042 | 08/17/2022 18:19 | TBB |
| EPA 200.8 | Beryllium | N | <0.0556U | mg/kg dry | 1 | 0.0556 | 1.11 | BFH2042 | 08/22/2022 14:58 | TBB |
| EPA 200.8 | Cadmium | N | 0.556J | mg/kg dry | 1 | 0.176 | 5.56 | BFH2042 | 08/17/2022 18:19 | TBB |
| EPA 200.8 | Chromium | N | <0.409U | mg/kg dry | 1 | 0.409 | 16.7 | BFH2042 | 08/17/2022 18:19 | TBB |
| EPA 200.8 | Copper | N | 12.4 | mg/kg dry | 1 | 0.484 | 5.56 | BFH2042 | 08/17/2022 18:19 | TBB |
| Calc | Chromium (III) | | <21.7U | mg/kg (dry wt) dry | 1 | 21.7 | 76.9 | [CALC] | 08/17/2022 18:19 | EM |
| SW-7196 | Chromium (VI) | N | <21.3U | mg/kg (dry wt) dry | 1 | 21.3 | 60.2 | BFG1228 | 07/11/2022 17:31 | EM |
| SW-7471B | Mercury | A | <0.0530U | mg/kg dry | 1 | 0.0530 | 0.106 | BFH0643 | 08/04/2022 17:12 | EM |
| EPA 200.8 | Lead | N | 0.641J | mg/kg dry | 1 | 0.420 | 2.78 | BFH2042 | 08/22/2022 14:58 | TBB |
| EPA 200.8 | Nickel | N | 3.57J | mg/kg dry | 1 | 0.0985 | 5.56 | BFH2042 | 08/17/2022 18:19 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-5 (Continued)
Lab Sample ID: 22F4225-35
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Selenium | N | <6.12 | U | mg/kg dry | 1 | 6.12 | 27.8 | BFH2042 | 08/23/2022 19:25 | TBB |
| EPA 200.8 | Silver | N | 0.168 | J | mg/kg dry | 1 | 0.0395 | 2.78 | BFH2042 | 08/22/2022 14:58 | TBB |
| EPA 200.8 | Thallium | N | <0.0384 | U | mg/kg dry | 1 | 0.0384 | 2.78 | BFH2042 | 08/17/2022 18:19 | TBB |
| EPA 200.8 | Zinc | N | 136 | | mg/kg dry | 1 | 2.09 | 11.1 | BFH2042 | 08/22/2022 14:58 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 8.84 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 7-5
Lab Sample ID: 22F4225-35RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <25.2 | U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/17/2022 05:11 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <25.2 | U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/17/2022 05:11 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <25.2 | U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/17/2022 05:11 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <25.2 | U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2359 | 08/17/2022 05:11 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 270 | V | ug/kg dry | 1 | 50.4 | 50.4 | BFG2359 | 08/17/2022 05:11 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *75.1%* | | *60-140* | | | | | *08/17/2022 05:11* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *76.7%* | | *60-140* | | | | | *08/17/2022 05:11* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *88.2%* | | *60-140* | | | | | *08/17/2022 05:11* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *111%* | | *60-140* | | | | | *08/17/2022 05:11* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *138%* | | *60-140* | | | | | *08/17/2022 05:11* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *56.2%* | *S* | *60-140* | | | | | *08/17/2022 05:11* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 8-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-36 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <46.6U | ug/kg dry | 1 | 46.6 | 46.6 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Acenaphthene | A | <23.3U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Acenaphthylene | A | <23.3U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Anthracene | A | <23.3U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <23.3U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <46.6U | ug/kg dry | 1 | 46.6 | 46.6 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <23.3B, U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Chrysene | A | <23.3U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <23.3B, U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Fluoranthene | A | <23.3U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Fluorene | A | <23.3U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Naphthalene | A | <23.3U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Phenanthrene | A | <23.3U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| SW-8270 | Pyrene | A | <23.3U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/03/2022 03:51 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *67.3%* | *60-140* | | | | | *08/03/2022 03:51* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *37.4% S* | *60-140* | | | | | *08/03/2022 03:51* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *83.9%* | *60-140* | | | | | *08/03/2022 03:51* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *137%* | *60-140* | | | | | *08/03/2022 03:51* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *92.5%* | *60-140* | | | | | *08/03/2022 03:51* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *42.0% S* | *60-140* | | | | | *08/03/2022 03:51* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.425U | mg/kg dry | 1 | 0.425 | 5.28 | BFH2149 | 08/19/2022 09:56 | TBB |
| EPA 200.8 | Arsenic | N | 9.73 | mg/kg dry | 1 | 0.650 | 2.64 | BFH2149 | 08/19/2022 09:56 | TBB |
| EPA 200.8 | Beryllium | N | <0.0528U | mg/kg dry | 1 | 0.0528 | 1.06 | BFH2149 | 08/19/2022 09:56 | TBB |
| EPA 200.8 | Cadmium | N | 0.625J | mg/kg dry | 1 | 0.167 | 5.28 | BFH2149 | 08/19/2022 09:56 | TBB |
| EPA 200.8 | Chromium | N | 0.432J | mg/kg dry | 1 | 0.388 | 15.9 | BFH2149 | 08/19/2022 09:56 | TBB |
| EPA 200.8 | Copper | N | 14.1 | mg/kg dry | 1 | 0.460 | 5.28 | BFH2149 | 08/19/2022 09:56 | TBB |
| Calc | Chromium (III) | | <20.7U | mg/kg (dry wt) dry | 1 | 20.7 | 73.2 | [CALC] | 08/19/2022 09:56 | EM |
| SW-7196 | Chromium (VI) | N | <20.3U | mg/kg (dry wt) dry | 1 | 20.3 | 57.3 | BFG1228 | 07/11/2022 17:33 | EM |
| SW-7471B | Mercury | A | <0.0520U | mg/kg dry | 1 | 0.0520 | 0.104 | BFG3636 | 07/28/2022 16:08 | EM |
| EPA 200.8 | Lead | N | 0.524J | mg/kg dry | 1 | 0.399 | 2.64 | BFH2149 | 08/19/2022 09:56 | TBB |
| EPA 200.8 | Nickel | N | 3.73J | mg/kg dry | 1 | 0.0935 | 5.28 | BFH2149 | 08/19/2022 09:56 | TBB |
| EPA 200.8 | Selenium | N | <5.81U | mg/kg dry | 1 | 5.81 | 26.4 | BFH2149 | 08/19/2022 09:56 | TBB |
| EPA 200.8 | Silver | N | 0.204J | mg/kg dry | 1 | 0.0375 | 2.64 | BFH2149 | 08/19/2022 09:56 | TBB |
| EPA 200.8 | Thallium | N | <0.0365U | mg/kg dry | 1 | 0.0365 | 2.64 | BFH2149 | 08/19/2022 09:56 | TBB |
| EPA 200.8 | Zinc | N | 127 | mg/kg dry | 1 | 1.98 | 10.6 | BFH2149 | 08/19/2022 09:56 | TBB |
| **General Chemistry** | | | | | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 8-1 (Continued)
Lab Sample ID: 22F4225-36
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.08 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 8-1
Lab Sample ID: 22F4225-36RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <23.3 | U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/17/2022 05:45 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <23.3 | U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/17/2022 05:45 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <23.3 | U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/17/2022 05:45 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <23.3 | U | ug/kg dry | 1 | 23.3 | 23.3 | BFG2359 | 08/17/2022 05:45 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 304 | V | ug/kg dry | 1 | 46.6 | 46.6 | BFG2359 | 08/17/2022 05:45 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *71.1%* | | *60-140* | | | | | *08/17/2022 05:45* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *75.7%* | | *60-140* | | | | | *08/17/2022 05:45* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *98.8%* | | *60-140* | | | | | *08/17/2022 05:45* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *109%* | | *60-140* | | | | | *08/17/2022 05:45* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *128%* | | *60-140* | | | | | *08/17/2022 05:45* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *64.1%* | | *60-140* | | | | | *08/17/2022 05:45* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 8-2
Lab Sample ID: 22F4225-37
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <59.4U | ug/kg dry | 1 | 59.4 | 59.4 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Acenaphthene | A | <29.7U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Acenaphthylene | A | <29.7U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Anthracene | A | <29.7U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <29.7U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <59.4U | ug/kg dry | 1 | 59.4 | 59.4 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <29.7B, U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Chrysene | A | <29.7U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <29.7B, U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Fluoranthene | A | <29.7U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Fluorene | A | <29.7U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Naphthalene | A | <29.7U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Phenanthrene | A | <29.7U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| SW-8270 | Pyrene | A | <29.7U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/03/2022 04:25 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *55.4% S* | *60-140* | | | | | *08/03/2022 04:25* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *59.0% S* | *60-140* | | | | | *08/03/2022 04:25* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *62.1%* | *60-140* | | | | | *08/03/2022 04:25* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *112%* | *60-140* | | | | | *08/03/2022 04:25* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *117%* | *60-140* | | | | | *08/03/2022 04:25* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *65.0%* | *60-140* | | | | | *08/03/2022 04:25* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.507U | mg/kg dry | 1 | 0.507 | 6.30 | BFH2042 | 08/22/2022 15:00 | TBB |
| EPA 200.8 | Arsenic | N | 11.7 | mg/kg dry | 1 | 0.775 | 3.15 | BFH2042 | 08/17/2022 18:21 | TBB |
| EPA 200.8 | Beryllium | N | <0.0630U | mg/kg dry | 1 | 0.0630 | 1.26 | BFH2042 | 08/22/2022 15:00 | TBB |
| EPA 200.8 | Cadmium | N | 0.742J | mg/kg dry | 1 | 0.199 | 6.30 | BFH2042 | 08/17/2022 18:21 | TBB |
| EPA 200.8 | Chromium | N | <0.463U | mg/kg dry | 1 | 0.463 | 18.9 | BFH2042 | 08/17/2022 18:21 | TBB |
| EPA 200.8 | Copper | N | 22.4 | mg/kg dry | 1 | 0.548 | 6.30 | BFH2042 | 08/17/2022 18:21 | TBB |
| Calc | Chromium (III) | | <23.6U | mg/kg (dry wt) dry | 1 | 23.6 | 84.3 | [CALC] | 08/17/2022 18:21 | EM |
| SW-7196 | Chromium (VI) | N | <23.1U | mg/kg (dry wt) dry | 1 | 23.1 | 65.4 | BFG1228 | 07/11/2022 17:34 | EM |
| SW-7471B | Mercury | A | <0.0523U | mg/kg dry | 1 | 0.0523 | 0.105 | BFH0643 | 08/04/2022 17:15 | EM |
| EPA 200.8 | Lead | N | 1.00J | mg/kg dry | 1 | 0.476 | 3.15 | BFH2042 | 08/22/2022 15:00 | TBB |
| EPA 200.8 | Nickel | N | 4.16J | mg/kg dry | 1 | 0.112 | 6.30 | BFH2042 | 08/17/2022 18:21 | TBB |
| EPA 200.8 | Selenium | N | <6.93U | mg/kg dry | 1 | 6.93 | 31.5 | BFH2042 | 08/23/2022 19:27 | TBB |
| EPA 200.8 | Silver | N | 0.314J | mg/kg dry | 1 | 0.0448 | 3.15 | BFH2042 | 08/22/2022 15:00 | TBB |
| EPA 200.8 | Thallium | N | <0.0435U | mg/kg dry | 1 | 0.0435 | 3.15 | BFH2042 | 08/17/2022 18:21 | TBB |
| EPA 200.8 | Zinc | N | 180 | mg/kg dry | 1 | 2.37 | 12.6 | BFH2042 | 08/22/2022 15:00 | TBB |
| **General Chemistry** | | | | | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 8-2 (Continued)
Lab Sample ID: 22F4225-37
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 8.14 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 8-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-37RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <29.7 | U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/17/2022 06:19 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <29.7 | U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/17/2022 06:19 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <29.7 | U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/17/2022 06:19 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <29.7 | U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2359 | 08/17/2022 06:19 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 326 | V | ug/kg dry | 1 | 59.4 | 59.4 | BFG2359 | 08/17/2022 06:19 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *60.2%* | | *60-140* | | | | | *08/17/2022 06:19* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *72.5%* | | *60-140* | | | | | *08/17/2022 06:19* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *99.3%* | | *60-140* | | | | | *08/17/2022 06:19* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *108%* | | *60-140* | | | | | *08/17/2022 06:19* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *131%* | | *60-140* | | | | | *08/17/2022 06:19* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *64.6%* | | *60-140* | | | | | *08/17/2022 06:19* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 8-3
Lab Sample ID: 22F4225-38
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <48.1U | ug/kg dry | 1 | 48.1 | 48.1 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Acenaphthene | A | <24.0U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Acenaphthylene | A | <24.0U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Anthracene | A | <24.0U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <24.0U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <48.1U | ug/kg dry | 1 | 48.1 | 48.1 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <24.0B, U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Chrysene | A | <24.0U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 44.6V | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Fluoranthene | A | <24.0U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Fluorene | A | <24.0U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Naphthalene | A | <24.0U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Phenanthrene | A | <24.0U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| SW-8270 | Pyrene | A | <24.0U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/03/2022 05:00 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *41.6% S* | *60-140* | | | | | *08/03/2022 05:00* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *63.7%* | *60-140* | | | | | *08/03/2022 05:00* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *59.6% S* | *60-140* | | | | | *08/03/2022 05:00* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *120%* | *60-140* | | | | | *08/03/2022 05:00* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *70.3%* | *60-140* | | | | | *08/03/2022 05:00* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *32.7% S* | *60-140* | | | | | *08/03/2022 05:00* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.315U | mg/kg dry | 1 | 0.315 | 3.92 | BFH2042 | 08/22/2022 15:10 | TBB |
| EPA 200.8 | Arsenic | N | 8.13 | mg/kg dry | 1 | 0.482 | 1.96 | BFH2042 | 08/17/2022 18:23 | TBB |
| EPA 200.8 | Beryllium | N | <0.0392U | mg/kg dry | 1 | 0.0392 | 0.784 | BFH2042 | 08/22/2022 15:10 | TBB |
| EPA 200.8 | Cadmium | N | 0.427J | mg/kg dry | 1 | 0.124 | 3.92 | BFH2042 | 08/17/2022 18:23 | TBB |
| EPA 200.8 | Chromium | N | 0.344J | mg/kg dry | 1 | 0.288 | 11.8 | BFH2042 | 08/17/2022 18:23 | TBB |
| EPA 200.8 | Copper | N | 11.6 | mg/kg dry | 1 | 0.341 | 3.92 | BFH2042 | 08/17/2022 18:23 | TBB |
| Calc | Chromium (III) | | <17.3U | mg/kg (dry wt) dry | 1 | 17.3 | 59.9 | [CALC] | 08/17/2022 18:23 | EM |
| SW-7196 | Chromium (VI) | N | <17.1U | mg/kg (dry wt) dry | 1 | 17.1 | 48.2 | BFG1228 | 07/11/2022 17:35 | EM |
| SW-7471B | Mercury | A | <0.0385U | mg/kg dry | 1 | 0.0385 | 0.0769 | BFH0643 | 08/04/2022 17:19 | EM |
| EPA 200.8 | Lead | N | 0.351J | mg/kg dry | 1 | 0.296 | 1.96 | BFH2042 | 08/22/2022 15:10 | TBB |
| EPA 200.8 | Nickel | N | 2.28J | mg/kg dry | 1 | 0.0694 | 3.92 | BFH2042 | 08/17/2022 18:23 | TBB |
| EPA 200.8 | Selenium | N | <4.31U | mg/kg dry | 1 | 4.31 | 19.6 | BFH2042 | 08/23/2022 19:38 | TBB |
| EPA 200.8 | Silver | N | 0.148J | mg/kg dry | 1 | 0.0278 | 1.96 | BFH2042 | 08/22/2022 15:10 | TBB |
| EPA 200.8 | Thallium | N | <0.0270U | mg/kg dry | 1 | 0.0270 | 1.96 | BFH2042 | 08/17/2022 18:23 | TBB |
| EPA 200.8 | Zinc | N | 93.6 | mg/kg dry | 1 | 1.47 | 7.84 | BFH2042 | 08/22/2022 18:25 | TBB |
| **General Chemistry** | | | | | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 8-3 (Continued)
Lab Sample ID: 22F4225-38
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.75 | | % | 1 | 0.100 | 0.100 | BFG0354 | 07/06/2022 11:23 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 8-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-38RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <24.0 | U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/17/2022 06:53 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <24.0 | U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/17/2022 06:53 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <24.0 | U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/17/2022 06:53 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <24.0 | U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2359 | 08/17/2022 06:53 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 402 | V | ug/kg dry | 1 | 48.1 | 48.1 | BFG2359 | 08/17/2022 06:53 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *67.0%* | | *60-140* | | | | | *08/17/2022 06:53* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *77.0%* | | *60-140* | | | | | *08/17/2022 06:53* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *89.6%* | | *60-140* | | | | | *08/17/2022 06:53* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *97.8%* | | *60-140* | | | | | *08/17/2022 06:53* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *135%* | | *60-140* | | | | | *08/17/2022 06:53* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *73.0%* | | *60-140* | | | | | *08/17/2022 06:53* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 8-4
Lab Sample ID: 22F4225-39
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <44.5U | ug/kg dry | 1 | 44.5 | 44.5 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Acenaphthene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Acenaphthylene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Anthracene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <44.5U | ug/kg dry | 1 | 44.5 | 44.5 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <22.2B, U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Chrysene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 33.2V | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Fluoranthene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Fluorene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Naphthalene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Phenanthrene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| SW-8270 | Pyrene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/03/2022 05:34 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *50.1% S* | *60-140* | | | | | *08/03/2022 05:34* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *31.6% S* | *60-140* | | | | | *08/03/2022 05:34* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *92.6%* | *60-140* | | | | | *08/03/2022 05:34* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *84.2%* | *60-140* | | | | | *08/03/2022 05:34* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *71.2%* | *60-140* | | | | | *08/03/2022 05:34* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *29.9% S* | *60-140* | | | | | *08/03/2022 05:34* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.293U | mg/kg dry | 1 | 0.293 | 3.64 | BFH2042 | 08/22/2022 15:12 | TBB |
| EPA 200.8 | Arsenic | N | 9.73 | mg/kg dry | 1 | 0.448 | 1.82 | BFH2042 | 08/17/2022 18:26 | TBB |
| EPA 200.8 | Beryllium | N | <0.0364U | mg/kg dry | 1 | 0.0364 | 0.728 | BFH2042 | 08/22/2022 15:12 | TBB |
| EPA 200.8 | Cadmium | N | 0.471J | mg/kg dry | 1 | 0.115 | 3.64 | BFH2042 | 08/17/2022 18:26 | TBB |
| EPA 200.8 | Chromium | N | <0.268U | mg/kg dry | 1 | 0.268 | 10.9 | BFH2042 | 08/17/2022 18:26 | TBB |
| EPA 200.8 | Copper | N | 12.1 | mg/kg dry | 1 | 0.317 | 3.64 | BFH2042 | 08/17/2022 18:26 | TBB |
| Calc | Chromium (III) | | <18.7U | mg/kg (dry wt) dry | 1 | 18.7 | 62.9 | [CALC] | 08/17/2022 18:26 | EM |
| SW-7196 | Chromium (VI) | N | 27.5J | mg/kg (dry wt) dry | 1 | 18.4 | 52.0 | BFG1228 | 07/11/2022 17:36 | EM |
| SW-7471B | Mercury | A | <0.0451U | mg/kg dry | 1 | 0.0451 | 0.0902 | BFH0643 | 08/04/2022 17:22 | EM |
| EPA 200.8 | Lead | N | 0.520J | mg/kg dry | 1 | 0.275 | 1.82 | BFH2042 | 08/22/2022 15:12 | TBB |
| EPA 200.8 | Nickel | N | 3.29J | mg/kg dry | 1 | 0.0644 | 3.64 | BFH2042 | 08/17/2022 18:26 | TBB |
| EPA 200.8 | Selenium | N | <4.00U | mg/kg dry | 1 | 4.00 | 18.2 | BFH2042 | 08/23/2022 19:40 | TBB |
| EPA 200.8 | Silver | N | 0.184J | mg/kg dry | 1 | 0.0258 | 1.82 | BFH2042 | 08/22/2022 15:12 | TBB |
| EPA 200.8 | Thallium | N | <0.0251U | mg/kg dry | 1 | 0.0251 | 1.82 | BFH2042 | 08/17/2022 18:26 | TBB |
| EPA 200.8 | Zinc | N | 125 | mg/kg dry | 2 | 2.73 | 14.6 | BFH2042 | 08/22/2022 18:27 | TBB |
| **General Chemistry** | | | | | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 8-4 (Continued)
Lab Sample ID: 22F4225-39
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.2 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 8-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-39RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <22.2 | U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/17/2022 07:27 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <22.2 | U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/17/2022 07:27 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <22.2 | U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/17/2022 07:27 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <22.2 | U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2359 | 08/17/2022 07:27 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 351 | V | ug/kg dry | 1 | 44.5 | 44.5 | BFG2359 | 08/17/2022 07:27 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *62.7%* | | *60-140* | | | | | *08/17/2022 07:27* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *64.6%* | | *60-140* | | | | | *08/17/2022 07:27* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *84.6%* | | *60-140* | | | | | *08/17/2022 07:27* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *83.8%* | | *60-140* | | | | | *08/17/2022 07:27* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *152%* | *S* | *60-140* | | | | | *08/17/2022 07:27* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *51.3%* | *S* | *60-140* | | | | | *08/17/2022 07:27* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 8-5
Lab Sample ID: 22F4225-40
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <50.1U | ug/kg dry | 1 | 50.1 | 50.1 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Acenaphthene | A | <25.0U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Acenaphthylene | A | <25.0U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Anthracene | A | <25.0U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <25.0U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <50.1U | ug/kg dry | 1 | 50.1 | 50.1 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <25.0B, U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Chrysene | A | <25.0U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 36.4V | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Fluoranthene | A | <25.0U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Fluorene | A | <25.0U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Naphthalene | A | <25.0U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Phenanthrene | A | <25.0U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| SW-8270 | Pyrene | A | <25.0U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/03/2022 06:09 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *50.3% S* | *60-140* | | | | | *08/03/2022 06:09* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *69.8%* | *60-140* | | | | | *08/03/2022 06:09* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *62.0%* | *60-140* | | | | | *08/03/2022 06:09* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *77.7%* | *60-140* | | | | | *08/03/2022 06:09* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *76.8%* | *60-140* | | | | | *08/03/2022 06:09* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *26.1% S* | *60-140* | | | | | *08/03/2022 06:09* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.337U | mg/kg dry | 1 | 0.337 | 4.18 | BFH2149 | 08/19/2022 10:31 | TBB |
| EPA 200.8 | Arsenic | N | 10.7 | mg/kg dry | 1 | 0.514 | 2.09 | BFH2149 | 08/19/2022 10:31 | TBB |
| EPA 200.8 | Beryllium | N | <0.0418U | mg/kg dry | 1 | 0.0418 | 0.836 | BFH2149 | 08/19/2022 10:31 | TBB |
| EPA 200.8 | Cadmium | N | 0.661J | mg/kg dry | 1 | 0.132 | 4.18 | BFH2149 | 08/19/2022 10:31 | TBB |
| EPA 200.8 | Chromium | N | 0.322J | mg/kg dry | 1 | 0.307 | 12.5 | BFH2149 | 08/19/2022 10:31 | TBB |
| EPA 200.8 | Copper | N | 15.1 | mg/kg dry | 1 | 0.364 | 4.18 | BFH2149 | 08/19/2022 10:31 | TBB |
| Calc | Chromium (III) | | <18.0U | mg/kg (dry wt) dry | 1 | 18.0 | 62.5 | [CALC] | 08/19/2022 10:31 | EM |
| SW-7196 | Chromium (VI) | N | <17.7U | mg/kg (dry wt) dry | 1 | 17.7 | 50.0 | BFG1228 | 07/11/2022 17:37 | EM |
| SW-7471B | Mercury | A | <0.0415U | mg/kg dry | 1 | 0.0415 | 0.0831 | BFG3636 | 07/28/2022 16:18 | EM |
| EPA 200.8 | Lead | N | 0.445J | mg/kg dry | 1 | 0.316 | 2.09 | BFH2149 | 08/19/2022 10:31 | TBB |
| EPA 200.8 | Nickel | N | 3.66J | mg/kg dry | 1 | 0.0740 | 4.18 | BFH2149 | 08/19/2022 10:31 | TBB |
| EPA 200.8 | Selenium | N | <4.60U | mg/kg dry | 1 | 4.60 | 20.9 | BFH2149 | 08/19/2022 10:31 | TBB |
| EPA 200.8 | Silver | N | 0.195J | mg/kg dry | 1 | 0.0297 | 2.09 | BFH2149 | 08/19/2022 10:31 | TBB |
| EPA 200.8 | Thallium | N | <0.0288U | mg/kg dry | 1 | 0.0288 | 2.09 | BFH2149 | 08/19/2022 10:31 | TBB |
| EPA 200.8 | Zinc | N | 137 | mg/kg dry | 2 | 3.14 | 16.7 | BFH2149 | 08/19/2022 11:16 | TBB |
| **General Chemistry** | | | | | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-DMMU 8-5 (Continued)
Lab Sample ID: 22F4225-40
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.44 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-DMMU 8-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-40RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <25.0 | U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/17/2022 08:02 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <25.0 | U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/17/2022 08:02 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <25.0 | U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/17/2022 08:02 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <25.0 | U | ug/kg dry | 1 | 25.0 | 25.0 | BFG2359 | 08/17/2022 08:02 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 350 | V | ug/kg dry | 1 | 50.1 | 50.1 | BFG2359 | 08/17/2022 08:02 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *77.4%* | | *60-140* | | | | | *08/17/2022 08:02* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *78.8%* | | *60-140* | | | | | *08/17/2022 08:02* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *114%* | | *60-140* | | | | | *08/17/2022 08:02* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *101%* | | *60-140* | | | | | *08/17/2022 08:02* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *158%* | *S* | *60-140* | | | | | *08/17/2022 08:02* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *63.2%* | | *60-140* | | | | | *08/17/2022 08:02* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-PRETEST-1
Lab Sample ID: 22F4225-41
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <29.0U | ug/kg dry | 1 | 29.0 | 29.0 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Acenaphthene | A | <14.5U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <14.5U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <14.5U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <29.0U | ug/kg dry | 1 | 29.0 | 29.0 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <14.5U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <14.5B, U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Chrysene | A | <14.5U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <14.5U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 18.2V | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Fluoranthene | A | <14.5U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Fluorene | A | <14.5U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <14.5U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Naphthalene | A | <14.5U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Phenol, Total | A | 231V | ug/kg dry | 1 | 29.0 | 29.0 | BFG2349 | 08/16/2022 00:16 | KRB |
| SW-8270 | Pyrene | A | <14.5U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/16/2022 00:16 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *29.3% S* | *60-140* | | | | | *08/16/2022 00:16* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *65.0%* | *60-140* | | | | | *08/16/2022 00:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *78.7%* | *60-140* | | | | | *08/16/2022 00:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *76.2%* | *60-140* | | | | | *08/16/2022 00:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *112%* | *60-140* | | | | | *08/16/2022 00:16* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *14.6% S* | *60-140* | | | | | *08/16/2022 00:16* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2416 | 08/20/2022 05:05 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *502% S* | *60-140* | | | | | *08/20/2022 05:05* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *61.6%* | *60-140* | | | | | *08/20/2022 05:05* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.214U | mg/kg dry | 1 | 0.214 | 2.66 | BFH2149 | 08/19/2022 10:17 | TBB |
| EPA 200.8 | Arsenic | N | 10.3 | mg/kg dry | 1 | 0.327 | 1.33 | BFH2149 | 08/19/2022 10:17 | TBB |
| EPA 200.8 | Beryllium | N | <0.0266U | mg/kg dry | 1 | 0.0266 | 0.531 | BFH2149 | 08/19/2022 10:17 | TBB |
| EPA 200.8 | Cadmium | N | 0.550J | mg/kg dry | 1 | 0.0840 | 2.66 | BFH2149 | 08/19/2022 10:17 | TBB |
| EPA 200.8 | Chromium | N | 0.490J | mg/kg dry | 1 | 0.195 | 7.97 | BFH2149 | 08/19/2022 10:17 | TBB |
| EPA 200.8 | Copper | N | 18.3 | mg/kg dry | 1 | 0.231 | 2.66 | BFH2149 | 08/19/2022 10:17 | TBB |
| Calc | Chromium (III) | | <11.1U | mg/kg (dry wt) dry | 1 | 11.1 | 38.8 | [CALC] | 08/19/2022 10:17 | EM |
| SW-7196 | Chromium (VI) | N | <10.9U | mg/kg (dry wt) dry | 1 | 10.9 | 30.9 | BFG1228 | 07/11/2022 17:38 | EM |
| SW-7471B | Mercury | A | <0.0238U | mg/kg dry | 1 | 0.0238 | 0.0477 | BFG2911 | 07/22/2022 16:59 | EM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-PRETEST-1 (Continued)
Lab Sample ID: 22F4225-41
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Lead | N | 0.629 | J | mg/kg dry | 1 | 0.201 | 1.33 | BFH2149 | 08/19/2022 10:17 | TBB |
| EPA 200.8 | Nickel | N | 0.738 | J | mg/kg dry | 1 | 0.0470 | 2.66 | BFH2149 | 08/19/2022 10:17 | TBB |
| EPA 200.8 | Selenium | N | <2.92 | U | mg/kg dry | 1 | 2.92 | 13.3 | BFH2149 | 08/19/2022 10:17 | TBB |
| EPA 200.8 | Silver | N | 0.213 | J | mg/kg dry | 1 | 0.0189 | 1.33 | BFH2149 | 08/19/2022 10:17 | TBB |
| EPA 200.8 | Thallium | N | <0.0183 | U | mg/kg dry | 1 | 0.0183 | 1.33 | BFH2149 | 08/19/2022 10:17 | TBB |
| EPA 200.8 | Zinc | N | 69.0 | | mg/kg dry | 1 | 0.998 | 5.31 | BFH2149 | 08/19/2022 10:17 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 17.2 | | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-PRETEST-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-41RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <14.5 | U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/04/2022 00:23 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <14.5 | U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/04/2022 00:23 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <14.5 | U | ug/kg dry | 1 | 14.5 | 14.5 | BFG2349 | 08/04/2022 00:23 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *32.8%* | *S* | *60-140* | | | | | *08/04/2022 00:23* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *80.1%* | | *60-140* | | | | | *08/04/2022 00:23* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *117%* | | *60-140* | | | | | *08/04/2022 00:23* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *206%* | *S* | *60-140* | | | | | *08/04/2022 00:23* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *189%* | *S* | *60-140* | | | | | *08/04/2022 00:23* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *28.6%* | *S* | *60-140* | | | | | *08/04/2022 00:23* | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: MM-HI-PRETEST-2
Lab Sample ID: 22F4225-42
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <36.3U | ug/kg dry | 1 | 36.3 | 36.3 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Acenaphthene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <36.3U | ug/kg dry | 1 | 36.3 | 36.3 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <18.1B, U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Chrysene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <18.1B, U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Fluoranthene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Fluorene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Naphthalene | A | 20.6 | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Phenol, Total | A | 484V | ug/kg dry | 1 | 36.3 | 36.3 | BFG2349 | 08/16/2022 00:51 | KRB |
| SW-8270 | Pyrene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 00:51 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *35.9% S* | *60-140* | | | | | *08/16/2022 00:51* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *59.4% S* | *60-140* | | | | | *08/16/2022 00:51* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *73.7%* | *60-140* | | | | | *08/16/2022 00:51* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *79.9%* | *60-140* | | | | | *08/16/2022 00:51* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *105%* | *60-140* | | | | | *08/16/2022 00:51* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *13.3% S* | *60-140* | | | | | *08/16/2022 00:51* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <25.2U | ug/kg dry | 1 | 25.2 | 25.2 | BFG2416 | 08/20/2022 04:42 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *147% S* | *60-140* | | | | | *08/20/2022 04:42* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *71.2%* | *60-140* | | | | | *08/20/2022 04:42* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.275U | mg/kg dry | 1 | 0.275 | 3.42 | BFH2149 | 08/19/2022 10:27 | TBB |
| EPA 200.8 | Arsenic | N | 11.0 | mg/kg dry | 1 | 0.421 | 1.71 | BFH2149 | 08/19/2022 10:27 | TBB |
| EPA 200.8 | Beryllium | N | <0.0342U | mg/kg dry | 1 | 0.0342 | 0.684 | BFH2149 | 08/19/2022 10:27 | TBB |
| EPA 200.8 | Cadmium | N | 0.472J | mg/kg dry | 1 | 0.108 | 3.42 | BFH2149 | 08/19/2022 10:27 | TBB |
| EPA 200.8 | Chromium | N | 0.370J | mg/kg dry | 1 | 0.251 | 10.3 | BFH2149 | 08/19/2022 10:27 | TBB |
| EPA 200.8 | Copper | N | 15.4 | mg/kg dry | 1 | 0.298 | 3.42 | BFH2149 | 08/19/2022 10:27 | TBB |
| Calc | Chromium (III) | | <13.3U | mg/kg (dry wt) dry | 1 | 13.3 | 47.1 | [CALC] | 08/19/2022 10:27 | EM |
| SW-7196 | Chromium (VI) | N | <13.0U | mg/kg (dry wt) dry | 1 | 13.0 | 36.8 | BFG1228 | 07/11/2022 17:39 | EM |
| SW-7471B | Mercury | A | <0.0331U | mg/kg dry | 1 | 0.0331 | 0.0663 | BFG2911 | 07/22/2022 17:03 | EM |

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## Sample Results
**(Continued)**

Client Sample ID: MM-HI-PRETEST-2 (Continued)
Lab Sample ID: 22F4225-42
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Lead | N | 0.417 | J | mg/kg dry | 1 | 0.258 | 1.71 | BFH2149 | 08/19/2022 10:27 | TBB |
| EPA 200.8 | Nickel | N | 0.798 | J | mg/kg dry | 1 | 0.0605 | 3.42 | BFH2149 | 08/19/2022 10:27 | TBB |
| EPA 200.8 | Selenium | N | <3.76 | U | mg/kg dry | 1 | 3.76 | 17.1 | BFH2149 | 08/19/2022 10:27 | TBB |
| EPA 200.8 | Silver | N | 0.212 | J | mg/kg dry | 1 | 0.0243 | 1.71 | BFH2149 | 08/19/2022 10:27 | TBB |
| EPA 200.8 | Thallium | N | <0.0236 | U | mg/kg dry | 1 | 0.0236 | 1.71 | BFH2149 | 08/19/2022 10:27 | TBB |
| EPA 200.8 | Zinc | N | 64.0 | | mg/kg dry | 1 | 1.28 | 6.84 | BFH2149 | 08/19/2022 10:27 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.1 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-PRETEST-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-42RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <18.1 | U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/04/2022 00:58 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <18.1 | U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/04/2022 00:58 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <18.1 | U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/04/2022 00:58 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *49.7%* | *S* | *60-140* | | | | | *08/04/2022 00:58* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *94.8%* | | *60-140* | | | | | *08/04/2022 00:58* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *113%* | | *60-140* | | | | | *08/04/2022 00:58* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *326%* | *S* | *60-140* | | | | | *08/04/2022 00:58* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *222%* | *S* | *60-140* | | | | | *08/04/2022 00:58* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *20.1%* | *S* | *60-140* | | | | | *08/04/2022 00:58* | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-PRETEST-3
Lab Sample ID: 22F4225-43
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <30.0U | ug/kg dry | 1 | 30.0 | 30.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Acenaphthene | A | 17.2 | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <15.0U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <15.0U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <30.0U | ug/kg dry | 1 | 30.0 | 30.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <15.0U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <15.0B, U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Chrysene | A | <15.0U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <15.0U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 23.1V | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Fluoranthene | A | <15.0U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Fluorene | A | <15.0U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <15.0U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Naphthalene | A | 20.3 | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Phenol, Total | A | 414V | ug/kg dry | 1 | 30.0 | 30.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| SW-8270 | Pyrene | A | <15.0U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/16/2022 01:26 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *29.8% S* | *60-140* | | | | | *08/16/2022 01:26* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *74.4%* | *60-140* | | | | | *08/16/2022 01:26* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *92.1%* | *60-140* | | | | | *08/16/2022 01:26* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *92.5%* | *60-140* | | | | | *08/16/2022 01:26* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *127%* | *60-140* | | | | | *08/16/2022 01:26* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *16.3% S* | *60-140* | | | | | *08/16/2022 01:26* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <24.0U | ug/kg dry | 1 | 24.0 | 24.0 | BFG2416 | 08/20/2022 04:19 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *117%* | *60-140* | | | | | *08/20/2022 04:19* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *68.4%* | *60-140* | | | | | *08/20/2022 04:19* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.209U | mg/kg dry | 1 | 0.209 | 2.60 | BFH2149 | 08/19/2022 10:29 | TBB |
| EPA 200.8 | Arsenic | N | 11.0 | mg/kg dry | 1 | 0.320 | 1.30 | BFH2149 | 08/19/2022 10:29 | TBB |
| EPA 200.8 | Beryllium | N | <0.0260U | mg/kg dry | 1 | 0.0260 | 0.520 | BFH2149 | 08/19/2022 10:29 | TBB |
| EPA 200.8 | Cadmium | N | 0.456J | mg/kg dry | 1 | 0.0821 | 2.60 | BFH2149 | 08/19/2022 10:29 | TBB |
| EPA 200.8 | Chromium | N | 0.924J | mg/kg dry | 1 | 0.191 | 7.79 | BFH2149 | 08/19/2022 10:29 | TBB |
| EPA 200.8 | Copper | N | 11.5 | mg/kg dry | 1 | 0.226 | 2.60 | BFH2149 | 08/19/2022 10:29 | TBB |
| Calc | Chromium (III) | | <11.9U | mg/kg (dry wt) dry | 1 | 11.9 | 40.9 | [CALC] | 08/19/2022 10:29 | EM |
| SW-7196 | Chromium (VI) | N | <11.7U | mg/kg (dry wt) dry | 1 | 11.7 | 33.1 | BFG1228 | 07/11/2022 17:41 | EM |
| SW-7471B | Mercury | A | <0.0292U | mg/kg dry | 1 | 0.0292 | 0.0583 | BFG2911 | 07/22/2022 17:06 | EM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-PRETEST-3 (Continued)
Lab Sample ID: 22F4225-43
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Lead | N | 0.568 | J | mg/kg dry | 1 | 0.196 | 1.30 | BFH2149 | 08/19/2022 10:29 | TBB |
| EPA 200.8 | Nickel | N | 0.986 | J | mg/kg dry | 1 | 0.0460 | 2.60 | BFH2149 | 08/19/2022 10:29 | TBB |
| EPA 200.8 | Selenium | N | <2.86 | U | mg/kg dry | 1 | 2.86 | 13.0 | BFH2149 | 08/19/2022 10:29 | TBB |
| EPA 200.8 | Silver | N | 0.143 | J | mg/kg dry | 1 | 0.0184 | 1.30 | BFH2149 | 08/19/2022 10:29 | TBB |
| EPA 200.8 | Thallium | N | <0.0179 | U | mg/kg dry | 1 | 0.0179 | 1.30 | BFH2149 | 08/19/2022 10:29 | TBB |
| EPA 200.8 | Zinc | N | 65.4 | | mg/kg dry | 1 | 0.975 | 5.20 | BFH2149 | 08/19/2022 10:29 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 15.7 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-PRETEST-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-43RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <15.0 | U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/04/2022 01:32 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <15.0 | U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/04/2022 01:32 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <15.0 | U | ug/kg dry | 1 | 15.0 | 15.0 | BFG2349 | 08/04/2022 01:32 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *43.1%* | *S* | *60-140* | | | | | *08/04/2022 01:32* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *107%* | | *60-140* | | | | | *08/04/2022 01:32* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *104%* | | *60-140* | | | | | *08/04/2022 01:32* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *424%* | *S* | *60-140* | | | | | *08/04/2022 01:32* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *246%* | *S* | *60-140* | | | | | *08/04/2022 01:32* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *26.6%* | *S* | *60-140* | | | | | *08/04/2022 01:32* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-REF-1
Lab Sample ID: 22F4225-44
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <45.8 | U | ug/kg dry | 1 | 45.8 | 45.8 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Acenaphthene | A | <22.9 | U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <22.9 | U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <22.9 | CQa, U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <45.8 | CQa, U | ug/kg dry | 1 | 45.8 | 45.8 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <22.9 | CQa, U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <22.9 | B, U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Chrysene | A | <22.9 | U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <22.9 | CQa, U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <22.9 | B, CQa, U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Fluoranthene | A | <22.9 | CQa, U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Fluorene | A | 25.8 | | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <22.9 | CQa, U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Naphthalene | A | 90.4 | | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Phenol, Total | A | 652 | V | ug/kg dry | 1 | 45.8 | 45.8 | BFG2349 | 08/16/2022 02:01 | KRB |
| SW-8270 | Pyrene | A | <22.9 | CQa, U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/16/2022 02:01 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *58.7%* | *S* | *60-140* | | | | | *08/16/2022 02:01* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *66.9%* | | *60-140* | | | | | *08/16/2022 02:01* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *101%* | | *60-140* | | | | | *08/16/2022 02:01* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *105%* | | *60-140* | | | | | *08/16/2022 02:01* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *181%* | *S* | *60-140* | | | | | *08/16/2022 02:01* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *10.0%* | *S* | *60-140* | | | | | *08/16/2022 02:01* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <38.7 | U | ug/kg dry | 1 | 38.7 | 38.7 | BFG2416 | 08/20/2022 03:32 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *113%* | | *60-140* | | | | | *08/20/2022 03:32* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *71.8%* | | *60-140* | | | | | *08/20/2022 03:32* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.325 | U | mg/kg dry | 1 | 0.325 | 4.04 | BFH2148 | 08/18/2022 16:54 | TBB |
| EPA 200.8 | Arsenic | N | 10.8 | | mg/kg dry | 1 | 0.497 | 2.02 | BFH2148 | 08/18/2022 16:54 | TBB |
| EPA 200.8 | Beryllium | N | <0.0404 | U | mg/kg dry | 1 | 0.0404 | 0.808 | BFH2148 | 08/23/2022 12:53 | TBB |
| EPA 200.8 | Cadmium | N | 0.558 | J | mg/kg dry | 1 | 0.128 | 4.04 | BFH2148 | 08/18/2022 16:54 | TBB |
| EPA 200.8 | Chromium | N | <0.297 | U | mg/kg dry | 1 | 0.297 | 12.1 | BFH2148 | 08/19/2022 12:00 | TBB |
| EPA 200.8 | Copper | N | 11.4 | | mg/kg dry | 1 | 0.352 | 4.04 | BFH2148 | 08/19/2022 12:00 | TBB |
| Calc | Chromium (III) | | <20.4 | U | mg/kg (dry wt) dry | 1 | 20.4 | 69.0 | [CALC] | 08/19/2022 12:00 | EM |
| SW-7196 | Chromium (VI) | N | 41.2 | J | mg/kg (dry wt) dry | 1 | 20.1 | 56.9 | BFG2216 | 07/20/2022 17:32 | EM |
| SW-7471B | Mercury | A | <0.0410 | U | mg/kg dry | 1 | 0.0410 | 0.0819 | BFH1159 | 08/09/2022 17:57 | NAZ |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-REF-1 (Continued)
Lab Sample ID: 22F4225-44
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Lead | N | 0.463 | J | mg/kg dry | 1 | 0.305 | 2.02 | BFH2148 | 08/18/2022 16:54 | TBB |
| EPA 200.8 | Nickel | N | 2.81 | J | mg/kg dry | 1 | 0.0715 | 4.04 | BFH2148 | 08/19/2022 12:00 | TBB |
| EPA 200.8 | Selenium | N | <4.44 | U | mg/kg dry | 1 | 4.44 | 20.2 | BFH2148 | 08/19/2022 12:00 | TBB |
| EPA 200.8 | Silver | N | 0.166 | J | mg/kg dry | 1 | 0.0287 | 2.02 | BFH2148 | 08/23/2022 12:53 | TBB |
| EPA 200.8 | Thallium | N | <0.0279 | U | mg/kg dry | 1 | 0.0279 | 2.02 | BFH2148 | 08/18/2022 16:54 | TBB |
| EPA 200.8 | Zinc | N | 109 | | mg/kg dry | 1 | 1.52 | 8.08 | BFH2148 | 08/19/2022 12:00 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.0 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-REF-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-44RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <22.9 | U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/04/2022 02:07 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <22.9 | U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/04/2022 02:07 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <22.9 | U | ug/kg dry | 1 | 22.9 | 22.9 | BFG2349 | 08/04/2022 02:07 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *75.1%* | | *60-140* | | | | | *08/04/2022 02:07* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *148%* | *S* | *60-140* | | | | | *08/04/2022 02:07* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *285%* | *S* | *60-140* | | | | | *08/04/2022 02:07* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *420%* | *S* | *60-140* | | | | | *08/04/2022 02:07* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *493%* | *S* | *60-140* | | | | | *08/04/2022 02:07* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *23.9%* | *S* | *60-140* | | | | | *08/04/2022 02:07* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-REF-2
Lab Sample ID: 22F4225-45
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <50.8U | ug/kg dry | 1 | 50.8 | 50.8 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Acenaphthene | A | <25.4U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <25.4U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <25.4U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <50.8U | ug/kg dry | 1 | 50.8 | 50.8 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <25.4U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <25.4B, U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Chrysene | A | <25.4U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <25.4U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <25.4B, U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Fluoranthene | A | <25.4U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Fluorene | A | <25.4U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <25.4U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Naphthalene | A | 67.9 | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Phenol, Total | A | 594V | ug/kg dry | 1 | 50.8 | 50.8 | BFG2349 | 08/16/2022 02:36 | KRB |
| SW-8270 | Pyrene | A | <25.4U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/16/2022 02:36 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *35.1% S* | *60-140* | | | | | *08/16/2022 02:36* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *60.1%* | *60-140* | | | | | *08/16/2022 02:36* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *286% S* | *60-140* | | | | | *08/16/2022 02:36* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *102%* | *60-140* | | | | | *08/16/2022 02:36* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *123%* | *60-140* | | | | | *08/16/2022 02:36* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *10.6% S* | *60-140* | | | | | *08/16/2022 02:36* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <39.4U | ug/kg dry | 1 | 39.4 | 39.4 | BFG2416 | 08/20/2022 03:09 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *99.0%* | *60-140* | | | | | *08/20/2022 03:09* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *71.8%* | *60-140* | | | | | *08/20/2022 03:09* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.395U | mg/kg dry | 1 | 0.395 | 4.91 | BFH1110 | 08/15/2022 11:36 | TBB |
| EPA 200.8 | Arsenic | N | 10.9 | mg/kg dry | 1 | 0.604 | 2.46 | BFH1110 | 08/16/2022 11:11 | TBB |
| EPA 200.8 | Beryllium | N | <0.0491U | mg/kg dry | 1 | 0.0491 | 0.982 | BFH1110 | 08/23/2022 16:10 | TBB |
| EPA 200.8 | Cadmium | N | 0.515J | mg/kg dry | 1 | 0.155 | 4.91 | BFH1110 | 08/15/2022 11:36 | TBB |
| EPA 200.8 | Chromium | N | 0.391J | mg/kg dry | 1 | 0.361 | 14.7 | BFH1110 | 08/15/2022 11:36 | TBB |
| EPA 200.8 | Copper | N | 11.8 | mg/kg dry | 1 | 0.427 | 4.91 | BFH1110 | 08/15/2022 11:36 | TBB |
| Calc | Chromium (III) | | <19.1U | mg/kg (dry wt) dry | 1 | 19.1 | 67.5 | [CALC] | 08/15/2022 11:36 | EM |
| SW-7196 | Chromium (VI) | N | <18.7U | mg/kg (dry wt) dry | 1 | 18.7 | 52.8 | BFG3191 | 07/25/2022 17:51 | EM |
| SW-7471B | Mercury | A | <0.0462U | mg/kg dry | 1 | 0.0462 | 0.0924 | BFG2911 | 07/22/2022 17:09 | EM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-REF-2 (Continued)
Lab Sample ID: 22F4225-45
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Lead | N | 0.519 | J | mg/kg dry | 1 | 0.371 | 2.46 | BFH1110 | 08/15/2022 11:36 | TBB |
| EPA 200.8 | Nickel | N | 3.44 | J | mg/kg dry | 1 | 0.0869 | 4.91 | BFH1110 | 08/15/2022 11:36 | TBB |
| EPA 200.8 | Selenium | N | <5.40 | U | mg/kg dry | 1 | 5.40 | 24.6 | BFH1110 | 08/23/2022 16:10 | TBB |
| EPA 200.8 | Silver | N | 0.177 | J | mg/kg dry | 1 | 0.0349 | 2.46 | BFH1110 | 08/15/2022 11:36 | TBB |
| EPA 200.8 | Thallium | N | <0.0339 | U | mg/kg dry | 1 | 0.0339 | 2.46 | BFH1110 | 08/15/2022 11:36 | TBB |
| EPA 200.8 | Zinc | N | 113 | | mg/kg dry | 1 | 1.84 | 9.82 | BFH1110 | 08/16/2022 11:11 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.62 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-REF-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-45RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <25.4 | U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/04/2022 02:41 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <25.4 | U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/04/2022 02:41 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <25.4 | U | ug/kg dry | 1 | 25.4 | 25.4 | BFG2349 | 08/04/2022 02:41 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *60.1%* | | *60-140* | | | | | *08/04/2022 02:41* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *102%* | | *60-140* | | | | | *08/04/2022 02:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *275%* | *S* | *60-140* | | | | | *08/04/2022 02:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *342%* | *S* | *60-140* | | | | | *08/04/2022 02:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *522%* | *S* | *60-140* | | | | | *08/04/2022 02:41* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *25.9%* | *S* | *60-140* | | | | | *08/04/2022 02:41* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-REF-3
Lab Sample ID: 22F4225-46
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <45.9U | ug/kg dry | 1 | 45.9 | 45.9 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Acenaphthene | A | <23.0U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <23.0U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <23.0U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <45.9U | ug/kg dry | 1 | 45.9 | 45.9 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <23.0U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <23.0B, U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Chrysene | A | <23.0U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <23.0U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <23.0B, U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Fluoranthene | A | <23.0U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Fluorene | A | <23.0U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <23.0U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Naphthalene | A | 71.7 | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Phenol, Total | A | 456V | ug/kg dry | 1 | 45.9 | 45.9 | BFG2349 | 08/16/2022 03:10 | KRB |
| SW-8270 | Pyrene | A | <23.0U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/16/2022 03:10 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *27.3% S* | *60-140* | | | | | *08/16/2022 03:10* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *77.2%* | *60-140* | | | | | *08/16/2022 03:10* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *83.3%* | *60-140* | | | | | *08/16/2022 03:10* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *96.0%* | *60-140* | | | | | *08/16/2022 03:10* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *127%* | *60-140* | | | | | *08/16/2022 03:10* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *10.7% S* | *60-140* | | | | | *08/16/2022 03:10* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <36.0U | ug/kg dry | 1 | 36.0 | 36.0 | BFG2416 | 08/20/2022 02:46 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *116%* | *60-140* | | | | | *08/20/2022 02:46* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *78.7%* | *60-140* | | | | | *08/20/2022 02:46* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.359U | mg/kg dry | 1 | 0.359 | 4.46 | BFH1110 | 08/15/2022 11:38 | TBB |
| EPA 200.8 | Arsenic | N | 10.1 | mg/kg dry | 1 | 0.548 | 2.23 | BFH1110 | 08/16/2022 11:13 | TBB |
| EPA 200.8 | Beryllium | N | <0.0446U | mg/kg dry | 1 | 0.0446 | 0.891 | BFH1110 | 08/23/2022 16:12 | TBB |
| EPA 200.8 | Cadmium | N | 0.486J | mg/kg dry | 1 | 0.141 | 4.46 | BFH1110 | 08/15/2022 11:38 | TBB |
| EPA 200.8 | Chromium | N | 0.689J | mg/kg dry | 1 | 0.328 | 13.4 | BFH1110 | 08/15/2022 11:38 | TBB |
| EPA 200.8 | Copper | N | 16.5 | mg/kg dry | 1 | 0.388 | 4.46 | BFH1110 | 08/15/2022 11:38 | TBB |
| Calc | Chromium (III) | | <17.6U | mg/kg (dry wt) dry | 1 | 17.6 | 62.2 | [CALC] | 08/15/2022 11:38 | EM |
| SW-7196 | Chromium (VI) | N | 27.6J | mg/kg (dry wt) dry | 1 | 17.3 | 48.8 | BFG2216 | 07/20/2022 17:35 | EM |
| SW-7471B | Mercury | A | <0.0412U | mg/kg dry | 1 | 0.0412 | 0.0823 | BFG2911 | 07/22/2022 17:13 | EM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-REF-3 (Continued)
Lab Sample ID: 22F4225-46
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Lead | N | 0.496 | J | mg/kg dry | 1 | 0.336 | 2.23 | BFH1110 | 08/15/2022 11:38 | TBB |
| EPA 200.8 | Nickel | N | 3.92 | J | mg/kg dry | 1 | 0.0789 | 4.46 | BFH1110 | 08/15/2022 11:38 | TBB |
| EPA 200.8 | Selenium | N | <4.90 | U | mg/kg dry | 1 | 4.90 | 22.3 | BFH1110 | 08/23/2022 16:12 | TBB |
| EPA 200.8 | Silver | N | 0.200 | J | mg/kg dry | 1 | 0.0316 | 2.23 | BFH1110 | 08/15/2022 11:38 | TBB |
| EPA 200.8 | Thallium | N | <0.0308 | U | mg/kg dry | 1 | 0.0308 | 2.23 | BFH1110 | 08/15/2022 11:38 | TBB |
| EPA 200.8 | Zinc | N | 126 | | mg/kg dry | 1 | 1.67 | 8.91 | BFH1110 | 08/16/2022 11:13 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.1 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-REF-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-46RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <23.0 | U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/04/2022 03:15 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <23.0 | U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/04/2022 03:15 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <23.0 | U | ug/kg dry | 1 | 23.0 | 23.0 | BFG2349 | 08/04/2022 03:15 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *50.1%* | *S* | *60-140* | | | | | *08/04/2022 03:15* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *143%* | *S* | *60-140* | | | | | *08/04/2022 03:15* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *153%* | *S* | *60-140* | | | | | *08/04/2022 03:15* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *167%* | *S* | *60-140* | | | | | *08/04/2022 03:15* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *227%* | *S* | *60-140* | | | | | *08/04/2022 03:15* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *27.7%* | *S* | *60-140* | | | | | *08/04/2022 03:15* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-REF-4
Lab Sample ID: 22F4225-47
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <47.5U | ug/kg dry | 1 | 47.5 | 47.5 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Acenaphthene | A | <23.8U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <23.8U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <23.8U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <47.5U | ug/kg dry | 1 | 47.5 | 47.5 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <23.8U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 23.9V | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Chrysene | A | <23.8U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <23.8U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 77.2V | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Fluoranthene | A | <23.8U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Fluorene | A | <23.8U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <23.8U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Naphthalene | A | <23.8U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Phenol, Total | A | 572V | ug/kg dry | 1 | 47.5 | 47.5 | BFG2349 | 08/16/2022 03:45 | KRB |
| SW-8270 | Pyrene | A | <23.8U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/16/2022 03:45 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *15.2% S* | *60-140* | | | | | *08/16/2022 03:45* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *57.6% S* | *60-140* | | | | | *08/16/2022 03:45* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *79.6%* | *60-140* | | | | | *08/16/2022 03:45* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *87.2%* | *60-140* | | | | | *08/16/2022 03:45* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *113%* | *60-140* | | | | | *08/16/2022 03:45* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *25.6% S* | *60-140* | | | | | *08/16/2022 03:45* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <36.5U | ug/kg dry | 1 | 36.5 | 36.5 | BFG2416 | 08/20/2022 02:22 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *101%* | *60-140* | | | | | *08/20/2022 02:22* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *70.4%* | *60-140* | | | | | *08/20/2022 02:22* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.368U | mg/kg dry | 1 | 0.368 | 4.57 | BFH2042 | 08/22/2022 14:49 | TBB |
| EPA 200.8 | Arsenic | N | 10.3 | mg/kg dry | 1 | 0.563 | 2.29 | BFH2042 | 08/17/2022 18:02 | TBB |
| EPA 200.8 | Beryllium | N | <0.0457U | mg/kg dry | 1 | 0.0457 | 0.915 | BFH2042 | 08/22/2022 14:49 | TBB |
| EPA 200.8 | Cadmium | N | 0.602J | mg/kg dry | 1 | 0.145 | 4.57 | BFH2042 | 08/17/2022 18:02 | TBB |
| EPA 200.8 | Chromium | N | 0.388J | mg/kg dry | 1 | 0.336 | 13.7 | BFH2042 | 08/17/2022 18:02 | TBB |
| EPA 200.8 | Copper | N | 13.7 | mg/kg dry | 1 | 0.398 | 4.57 | BFH2042 | 08/17/2022 18:02 | TBB |
| Calc | Chromium (III) | | <19.1U | mg/kg (dry wt) dry | 1 | 19.1 | 66.7 | [CALC] | 08/17/2022 18:02 | EM |
| SW-7196 | Chromium (VI) | N | <18.7U | mg/kg (dry wt) dry | 1 | 18.7 | 52.9 | BFG2213 | 07/18/2022 17:58 | EM |
| SW-7471B | Mercury | A | <0.0453U | mg/kg dry | 1 | 0.0453 | 0.0906 | BFH2169 | 08/16/2022 18:04 | NAZ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-REF-4 (Continued)
Lab Sample ID: 22F4225-47
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Lead | N | 0.727 | J | mg/kg dry | 1 | 0.345 | 2.29 | BFH2042 | 08/22/2022 14:49 | TBB |
| EPA 200.8 | Nickel | N | 3.76 | J | mg/kg dry | 1 | 0.0810 | 4.57 | BFH2042 | 08/17/2022 18:02 | TBB |
| EPA 200.8 | Selenium | N | <5.03 | U | mg/kg dry | 1 | 5.03 | 22.9 | BFH2042 | 08/23/2022 19:15 | TBB |
| EPA 200.8 | Silver | N | 0.270 | J | mg/kg dry | 1 | 0.0325 | 2.29 | BFH2042 | 08/22/2022 14:49 | TBB |
| EPA 200.8 | Thallium | N | <0.0316 | U | mg/kg dry | 1 | 0.0316 | 2.29 | BFH2042 | 08/17/2022 18:02 | TBB |
| EPA 200.8 | Zinc | N | 134 | | mg/kg dry | 2 | 3.44 | 18.3 | BFH2042 | 08/22/2022 18:39 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.60 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-REF-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-47RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <23.8 | U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/04/2022 03:50 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <23.8 | U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/04/2022 03:50 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <23.8 | U | ug/kg dry | 1 | 23.8 | 23.8 | BFG2349 | 08/04/2022 03:50 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *18.0%* | *S* | *60-140* | | | | | *08/04/2022 03:50* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *58.7%* | *S* | *60-140* | | | | | *08/04/2022 03:50* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *81.0%* | | *60-140* | | | | | *08/04/2022 03:50* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *84.5%* | | *60-140* | | | | | *08/04/2022 03:50* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *147%* | *S* | *60-140* | | | | | *08/04/2022 03:50* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *22.9%* | *S* | *60-140* | | | | | *08/04/2022 03:50* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-REF-5
Lab Sample ID: 22F4225-48
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <44.3U | ug/kg dry | 1 | 44.3 | 44.3 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Acenaphthene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <44.3U | ug/kg dry | 1 | 44.3 | 44.3 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 22.2V | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Chrysene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 76.6V | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Fluoranthene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Fluorene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Naphthalene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Phenol, Total | A | 537V | ug/kg dry | 1 | 44.3 | 44.3 | BFG2349 | 08/16/2022 04:20 | KRB |
| SW-8270 | Pyrene | A | <22.2U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/16/2022 04:20 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *20.4% S* | *60-140* | | | | | *08/16/2022 04:20* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *63.2%* | *60-140* | | | | | *08/16/2022 04:20* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *88.7%* | *60-140* | | | | | *08/16/2022 04:20* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *89.8%* | *60-140* | | | | | *08/16/2022 04:20* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *104%* | *60-140* | | | | | *08/16/2022 04:20* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *30.6% S* | *60-140* | | | | | *08/16/2022 04:20* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <36.7U | ug/kg dry | 1 | 36.7 | 36.7 | BFG2416 | 08/20/2022 01:59 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *119%* | *60-140* | | | | | *08/20/2022 01:59* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *79.6%* | *60-140* | | | | | *08/20/2022 01:59* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.362U | mg/kg dry | 1 | 0.362 | 4.49 | BFH2148 | 08/18/2022 17:29 | TBB |
| EPA 200.8 | Arsenic | N | 11.3 | mg/kg dry | 1 | 0.553 | 2.25 | BFH2148 | 08/18/2022 17:29 | TBB |
| EPA 200.8 | Beryllium | N | <0.0449U | mg/kg dry | 1 | 0.0449 | 0.899 | BFH2148 | 08/23/2022 13:31 | TBB |
| EPA 200.8 | Cadmium | N | 0.558J | mg/kg dry | 1 | 0.142 | 4.49 | BFH2148 | 08/18/2022 17:29 | TBB |
| EPA 200.8 | Chromium | N | 0.493J | mg/kg dry | 1 | 0.330 | 13.5 | BFH2148 | 08/19/2022 12:35 | TBB |
| EPA 200.8 | Copper | N | 21.0 | mg/kg dry | 1 | 0.391 | 4.49 | BFH2148 | 08/19/2022 12:35 | TBB |
| Calc | Chromium (III) | | <18.0U | mg/kg (dry wt) dry | 1 | 18.0 | 63.4 | [CALC] | 08/19/2022 12:35 | EM |
| SW-7196 | Chromium (VI) | N | 31.8J | mg/kg (dry wt) dry | 1 | 17.7 | 49.9 | BFG2440 | 07/22/2022 16:56 | EM |
| SW-7471B | Mercury | A | <0.0497U | mg/kg dry | 1 | 0.0497 | 0.0993 | BFH0643 | 08/04/2022 17:32 | EM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: MM-HI-REF-5 (Continued)
Lab Sample ID: 22F4225-48
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/14/2022 10:30
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Lead | N | 0.686 | J | mg/kg dry | 1 | 0.339 | 2.25 | BFH2148 | 08/18/2022 17:29 | TBB |
| EPA 200.8 | Nickel | N | 3.53 | J | mg/kg dry | 1 | 0.0795 | 4.49 | BFH2148 | 08/19/2022 12:35 | TBB |
| EPA 200.8 | Selenium | N | <4.94 | U | mg/kg dry | 1 | 4.94 | 22.5 | BFH2148 | 08/23/2022 14:25 | TBB |
| EPA 200.8 | Silver | N | 0.181 | J | mg/kg dry | 1 | 0.0319 | 2.25 | BFH2148 | 08/23/2022 14:25 | TBB |
| EPA 200.8 | Thallium | N | <0.0310 | U | mg/kg dry | 1 | 0.0310 | 2.25 | BFH2148 | 08/18/2022 17:29 | TBB |
| EPA 200.8 | Zinc | N | 132 | | mg/kg dry | 1 | 1.69 | 8.99 | BFH2148 | 08/19/2022 12:35 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.75 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-HI-REF-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-48RE1 | Date Collected: | 04/14/2022 10:30 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <22.2 | U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/04/2022 04:24 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <22.2 | U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/04/2022 04:24 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <22.2 | U | ug/kg dry | 1 | 22.2 | 22.2 | BFG2349 | 08/04/2022 04:24 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *39.9%* | *S* | *60-140* | | | | | *08/04/2022 04:24* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *64.4%* | | *60-140* | | | | | *08/04/2022 04:24* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *144%* | *S* | *60-140* | | | | | *08/04/2022 04:24* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *138%* | | *60-140* | | | | | *08/04/2022 04:24* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *219%* | *S* | *60-140* | | | | | *08/04/2022 04:24* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *39.8%* | *S* | *60-140* | | | | | *08/04/2022 04:24* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 1-1
Lab Sample ID: 22F4225-49
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <33.8U | ug/kg dry | 1 | 33.8 | 33.8 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Acenaphthene | A | <16.9U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <16.9U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <16.9U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <33.8U | ug/kg dry | 1 | 33.8 | 33.8 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <16.9U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <16.9B, U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Chrysene | A | <16.9U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <16.9U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 46.9V | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Fluoranthene | A | <16.9U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Fluorene | A | <16.9U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <16.9U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Naphthalene | A | <16.9U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| SW-8270 | Pyrene | A | <16.9U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/16/2022 04:55 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *14.5% S* | *60-140* | | | | | *08/16/2022 04:55* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *61.9%* | *60-140* | | | | | *08/16/2022 04:55* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *74.0%* | *60-140* | | | | | *08/16/2022 04:55* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *75.9%* | *60-140* | | | | | *08/16/2022 04:55* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *112%* | *60-140* | | | | | *08/16/2022 04:55* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *13.1% S* | *60-140* | | | | | *08/16/2022 04:55* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.235U | mg/kg dry | 1 | 0.235 | 2.91 | BFH2149 | 08/19/2022 10:38 | TBB |
| EPA 200.8 | Arsenic | N | 19.2 | mg/kg dry | 5 | 1.79 | 7.29 | BFH2149 | 08/19/2022 11:27 | TBB |
| EPA 200.8 | Beryllium | N | <0.0291U | mg/kg dry | 1 | 0.0291 | 0.583 | BFH2149 | 08/19/2022 10:38 | TBB |
| EPA 200.8 | Cadmium | N | 0.375J | mg/kg dry | 1 | 0.0921 | 2.91 | BFH2149 | 08/19/2022 10:38 | TBB |
| EPA 200.8 | Chromium | N | 2.65J | mg/kg dry | 1 | 0.214 | 8.74 | BFH2149 | 08/19/2022 10:38 | TBB |
| EPA 200.8 | Copper | N | 20.0 | mg/kg dry | 1 | 0.254 | 2.91 | BFH2149 | 08/19/2022 10:38 | TBB |
| Calc | Chromium (III) | | <13.8U | mg/kg (dry wt) dry | 1 | 13.8 | 47.2 | [CALC] | 08/19/2022 10:38 | EM |
| SW-7196 | Chromium (VI) | N | 60.0 | mg/kg (dry wt) dry | 1 | 13.6 | 38.5 | BFG2216 | 07/20/2022 17:36 | EM |
| EPA 200.8 | Lead | N | 1.44J | mg/kg dry | 1 | 0.220 | 1.46 | BFH2149 | 08/19/2022 10:38 | TBB |
| EPA 200.8 | Nickel | N | 2.29J | mg/kg dry | 1 | 0.0516 | 2.91 | BFH2149 | 08/19/2022 10:38 | TBB |
| EPA 200.8 | Selenium | N | <3.21U | mg/kg dry | 1 | 3.21 | 14.6 | BFH2149 | 08/19/2022 10:38 | TBB |
| EPA 200.8 | Silver | N | 0.238J | mg/kg dry | 1 | 0.0207 | 1.46 | BFH2149 | 08/19/2022 10:38 | TBB |
| EPA 200.8 | Thallium | N | <0.0201U | mg/kg dry | 1 | 0.0201 | 1.46 | BFH2149 | 08/19/2022 10:38 | TBB |
| EPA 200.8 | Zinc | N | 246 | mg/kg dry | 5 | 5.47 | 29.1 | BFH2149 | 08/19/2022 11:27 | TBB |
| **General Chemistry** | | | | | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 1-1 (Continued)
Lab Sample ID: 22F4225-49
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.8 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 1-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-49RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 2620 | V | ug/kg dry | 5 | 169 | 169 | BFG2349 | 08/18/2022 11:07 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *12.6%* | *S* | *60-140* | | | | | *08/18/2022 11:07* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *63.2%* | | *60-140* | | | | | *08/18/2022 11:07* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *70.3%* | | *60-140* | | | | | *08/18/2022 11:07* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *91.5%* | | *60-140* | | | | | *08/18/2022 11:07* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *146%* | *S* | *60-140* | | | | | *08/18/2022 11:07* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *63.3%* | | *60-140* | | | | | *08/18/2022 11:07* | |
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0368 | B, U | mg/kg dry | 1 | 0.0368 | 0.0736 | BFH2628 | 08/18/2022 19:54 | NAZ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 1-1
Lab Sample ID: 22F4225-49RE2
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <16.9 | U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/04/2022 04:59 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <16.9 | U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/04/2022 04:59 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <16.9 | U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2349 | 08/04/2022 04:59 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *23.0%* | *S* | *60-140* | | | | | *08/04/2022 04:59* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *71.2%* | | *60-140* | | | | | *08/04/2022 04:59* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *98.8%* | | *60-140* | | | | | *08/04/2022 04:59* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *220%* | *S* | *60-140* | | | | | *08/04/2022 04:59* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *224%* | *S* | *60-140* | | | | | *08/04/2022 04:59* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *37.2%* | *S* | *60-140* | | | | | *08/04/2022 04:59* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

# Sample Results

**(Continued)**

Client Sample ID: NV-HI-DMMU 1-2
Lab Sample ID: 22F4225-50
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <35.1U | ug/kg dry | 1 | 35.1 | 35.1 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Acenaphthene | A | <17.6U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <17.6U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <17.6U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <35.1U | ug/kg dry | 1 | 35.1 | 35.1 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <17.6U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <17.6B, U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Chrysene | A | <17.6U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <17.6U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <17.6B, U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Fluoranthene | A | <17.6U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Fluorene | A | <17.6U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <17.6U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Naphthalene | A | <17.6U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| SW-8270 | Pyrene | A | <17.6U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/16/2022 05:30 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *34.1% S* | *60-140* | | | | | *08/16/2022 05:30* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *72.1%* | *60-140* | | | | | *08/16/2022 05:30* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *90.6%* | *60-140* | | | | | *08/16/2022 05:30* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *96.0%* | *60-140* | | | | | *08/16/2022 05:30* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *116%* | *60-140* | | | | | *08/16/2022 05:30* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *9.72% S* | *60-140* | | | | | *08/16/2022 05:30* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.287U | mg/kg dry | 1 | 0.287 | 3.56 | BFH2149 | 08/19/2022 10:41 | TBB |
| EPA 200.8 | Arsenic | N | 21.7 | mg/kg dry | 1 | 0.438 | 1.78 | BFH2149 | 08/19/2022 10:41 | TBB |
| EPA 200.8 | Beryllium | N | <0.0356U | mg/kg dry | 1 | 0.0356 | 0.712 | BFH2149 | 08/19/2022 10:41 | TBB |
| EPA 200.8 | Cadmium | N | 0.344J | mg/kg dry | 1 | 0.113 | 3.56 | BFH2149 | 08/19/2022 10:41 | TBB |
| EPA 200.8 | Chromium | N | 3.59J | mg/kg dry | 1 | 0.262 | 10.7 | BFH2149 | 08/19/2022 10:41 | TBB |
| EPA 200.8 | Copper | N | 10.7 | mg/kg dry | 1 | 0.310 | 3.56 | BFH2149 | 08/19/2022 10:41 | TBB |
| Calc | Chromium (III) | | <14.4U | mg/kg (dry wt) dry | 1 | 14.4 | 50.7 | [CALC] | 08/19/2022 10:41 | EM |
| SW-7196 | Chromium (VI) | N | <14.2U | mg/kg (dry wt) dry | 1 | 14.2 | 40.0 | BFG2216 | 07/20/2022 17:36 | EM |
| SW-7471B | Mercury | A | <0.0295U | mg/kg dry | 1 | 0.0295 | 0.0590 | BFG3636 | 07/28/2022 16:28 | EM |
| EPA 200.8 | Lead | N | 1.16J | mg/kg dry | 1 | 0.269 | 1.78 | BFH2149 | 08/19/2022 10:41 | TBB |
| EPA 200.8 | Nickel | N | 2.65J | mg/kg dry | 1 | 0.0631 | 3.56 | BFH2149 | 08/19/2022 10:41 | TBB |
| EPA 200.8 | Selenium | N | <3.92U | mg/kg dry | 1 | 3.92 | 17.8 | BFH2149 | 08/19/2022 10:41 | TBB |
| EPA 200.8 | Silver | N | 0.189J | mg/kg dry | 1 | 0.0253 | 1.78 | BFH2149 | 08/19/2022 10:41 | TBB |
| EPA 200.8 | Thallium | N | <0.0246U | mg/kg dry | 1 | 0.0246 | 1.78 | BFH2149 | 08/19/2022 10:41 | TBB |
| EPA 200.8 | Zinc | N | 65.7 | mg/kg dry | 1 | 1.34 | 7.12 | BFH2149 | 08/19/2022 10:41 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 1-2 (Continued) | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-50 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.5 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 1-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-50RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 2290 | V | ug/kg dry | 5 | 176 | 176 | BFG2349 | 08/18/2022 11:42 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *34.0%* | *S* | *60-140* | | | | | *08/18/2022 11:42* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *73.5%* | | *60-140* | | | | | *08/18/2022 11:42* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *77.9%* | | *60-140* | | | | | *08/18/2022 11:42* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *104%* | | *60-140* | | | | | *08/18/2022 11:42* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *107%* | | *60-140* | | | | | *08/18/2022 11:42* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *40.3%* | *S* | *60-140* | | | | | *08/18/2022 11:42* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 1-2
Lab Sample ID: 22F4225-50RE2
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <17.6 | CQa, U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/04/2022 05:33 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <17.6 | CQa, U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/04/2022 05:33 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <17.6 | CQa, U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2349 | 08/04/2022 05:33 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *62.0%* | *CQa* | *60-140* | | | | | *08/04/2022 05:33* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *107%* | *CQa* | *60-140* | | | | | *08/04/2022 05:33* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *165%* | *CQa, S* | *60-140* | | | | | *08/04/2022 05:33* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *359%* | *CQa, S* | *60-140* | | | | | *08/04/2022 05:33* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *320%* | *CQa, S* | *60-140* | | | | | *08/04/2022 05:33* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *33.6%* | *S, CQa* | *60-140* | | | | | *08/04/2022 05:33* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 1-3
Lab Sample ID: 22F4225-51
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <34.3U | ug/kg dry | 1 | 34.3 | 34.3 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Acenaphthene | A | <17.2U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <17.2U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <17.2U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <34.3U | ug/kg dry | 1 | 34.3 | 34.3 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <17.2U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <17.2B, U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Chrysene | A | <17.2U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <17.2U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <17.2B, U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Fluoranthene | A | <17.2U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Fluorene | A | <17.2U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <17.2U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Naphthalene | A | <17.2U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Phenol, Total | A | 574V | ug/kg dry | 1 | 34.3 | 34.3 | BFG2349 | 08/16/2022 06:04 | KRB |
| SW-8270 | Pyrene | A | <17.2U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/16/2022 06:04 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *39.7% S* | *60-140* | | | | | *08/16/2022 06:04* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *62.5%* | *60-140* | | | | | *08/16/2022 06:04* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *88.0%* | *60-140* | | | | | *08/16/2022 06:04* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *92.6%* | *60-140* | | | | | *08/16/2022 06:04* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *103%* | *60-140* | | | | | *08/16/2022 06:04* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *8.54% S* | *60-140* | | | | | *08/16/2022 06:04* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.284U | mg/kg dry | 1 | 0.284 | 3.52 | BFH2149 | 08/19/2022 10:43 | TBB |
| EPA 200.8 | Arsenic | N | 24.8 | mg/kg dry | 1 | 0.433 | 1.76 | BFH2149 | 08/19/2022 10:43 | TBB |
| EPA 200.8 | Beryllium | N | <0.0352U | mg/kg dry | 1 | 0.0352 | 0.705 | BFH2149 | 08/19/2022 10:43 | TBB |
| EPA 200.8 | Cadmium | N | 0.422J | mg/kg dry | 1 | 0.111 | 3.52 | BFH2149 | 08/19/2022 10:43 | TBB |
| EPA 200.8 | Chromium | N | 2.22J | mg/kg dry | 1 | 0.259 | 10.6 | BFH2149 | 08/19/2022 10:43 | TBB |
| EPA 200.8 | Copper | N | 10.9 | mg/kg dry | 1 | 0.306 | 3.52 | BFH2149 | 08/19/2022 10:43 | TBB |
| Calc | Chromium (III) | | <14.4U | mg/kg (dry wt) dry | 1 | 14.4 | 50.4 | [CALC] | 08/19/2022 10:43 | EM |
| SW-7196 | Chromium (VI) | N | 61.4 | mg/kg (dry wt) dry | 1 | 14.1 | 39.9 | BFG2216 | 07/20/2022 17:37 | EM |
| SW-7471B | Mercury | A | <0.0341U | mg/kg dry | 1 | 0.0341 | 0.0683 | BFG3636 | 07/28/2022 16:31 | EM |
| EPA 200.8 | Lead | N | 0.928J | mg/kg dry | 1 | 0.266 | 1.76 | BFH2149 | 08/19/2022 10:43 | TBB |
| EPA 200.8 | Nickel | N | 2.33J | mg/kg dry | 1 | 0.0623 | 3.52 | BFH2149 | 08/19/2022 10:43 | TBB |
| EPA 200.8 | Selenium | N | <3.87U | mg/kg dry | 1 | 3.87 | 17.6 | BFH2149 | 08/19/2022 10:43 | TBB |
| EPA 200.8 | Silver | N | 0.131J | mg/kg dry | 1 | 0.0250 | 1.76 | BFH2149 | 08/19/2022 10:43 | TBB |
| EPA 200.8 | Thallium | N | <0.0243U | mg/kg dry | 1 | 0.0243 | 1.76 | BFH2149 | 08/19/2022 10:43 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 1-3 (Continued)
Lab Sample ID: 22F4225-51
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Zinc | N | 415 | | mg/kg dry | 5 | 6.61 | 35.2 | BFH2149 | 08/19/2022 11:30 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.5 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 1-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-51RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *39.4%* | *S* | *60-140* | | | | | *08/18/2022 15:47* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *62.0%* | | *60-140* | | | | | *08/18/2022 15:47* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *84.3%* | | *60-140* | | | | | *08/18/2022 15:47* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *78.7%* | | *60-140* | | | | | *08/18/2022 15:47* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *100%* | | *60-140* | | | | | *08/18/2022 15:47* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *13.0%* | *S* | *60-140* | | | | | *08/18/2022 15:47* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 1-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-51RE2 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <17.2 | U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/04/2022 06:08 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <17.2 | U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/04/2022 06:08 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <17.2 | U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2349 | 08/04/2022 06:08 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *56.3%* | *S* | *60-140* | | | | | *08/04/2022 06:08* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *103%* | | *60-140* | | | | | *08/04/2022 06:08* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *133%* | | *60-140* | | | | | *08/04/2022 06:08* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *258%* | *S* | *60-140* | | | | | *08/04/2022 06:08* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *311%* | *S* | *60-140* | | | | | *08/04/2022 06:08* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *24.3%* | *S* | *60-140* | | | | | *08/04/2022 06:08* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 1-4
Lab Sample ID: 22F4225-52
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <36.3U | ug/kg dry | 1 | 36.3 | 36.3 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Acenaphthene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <36.3U | ug/kg dry | 1 | 36.3 | 36.3 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <18.1B, U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Chrysene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <18.1B, U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Fluoranthene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Fluorene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Naphthalene | A | 21.7 | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Phenol, Total | A | 402V | ug/kg dry | 1 | 36.3 | 36.3 | BFG2349 | 08/16/2022 06:39 | KRB |
| SW-8270 | Pyrene | A | <18.1U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/16/2022 06:39 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *24.7% S* | *60-140* | | | | | *08/16/2022 06:39* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *63.8%* | *60-140* | | | | | *08/16/2022 06:39* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *80.4%* | *60-140* | | | | | *08/16/2022 06:39* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *89.7%* | *60-140* | | | | | *08/16/2022 06:39* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *100%* | *60-140* | | | | | *08/16/2022 06:39* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *11.9% S* | *60-140* | | | | | *08/16/2022 06:39* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.285U | mg/kg dry | 1 | 0.285 | 3.54 | BFH2149 | 08/19/2022 10:45 | TBB |
| EPA 200.8 | Arsenic | N | 28.4 | mg/kg dry | 1 | 0.435 | 1.77 | BFH2149 | 08/19/2022 10:45 | TBB |
| EPA 200.8 | Beryllium | N | <0.0354U | mg/kg dry | 1 | 0.0354 | 0.708 | BFH2149 | 08/19/2022 10:45 | TBB |
| EPA 200.8 | Cadmium | N | 0.428J | mg/kg dry | 1 | 0.112 | 3.54 | BFH2149 | 08/19/2022 10:45 | TBB |
| EPA 200.8 | Chromium | N | 1.86J | mg/kg dry | 1 | 0.260 | 10.6 | BFH2149 | 08/19/2022 10:45 | TBB |
| EPA 200.8 | Copper | N | 8.92 | mg/kg dry | 1 | 0.308 | 3.54 | BFH2149 | 08/19/2022 10:45 | TBB |
| Calc | Chromium (III) | | <13.7U | mg/kg (dry wt) dry | 1 | 13.7 | 48.7 | [CALC] | 08/19/2022 10:45 | EM |
| SW-7196 | Chromium (VI) | N | 40.0 | mg/kg (dry wt) dry | 1 | 13.5 | 38.1 | BFG2216 | 07/20/2022 17:38 | EM |
| SW-7471B | Mercury | A | 0.0378J | mg/kg dry | 1 | 0.0301 | 0.0602 | BFG3636 | 07/28/2022 16:34 | EM |
| EPA 200.8 | Lead | N | 0.759J | mg/kg dry | 1 | 0.267 | 1.77 | BFH2149 | 08/19/2022 10:45 | TBB |
| EPA 200.8 | Nickel | N | 2.27J | mg/kg dry | 1 | 0.0626 | 3.54 | BFH2149 | 08/19/2022 10:45 | TBB |
| EPA 200.8 | Selenium | N | <3.89U | mg/kg dry | 1 | 3.89 | 17.7 | BFH2149 | 08/19/2022 10:45 | TBB |
| EPA 200.8 | Silver | N | 0.123J | mg/kg dry | 1 | 0.0251 | 1.77 | BFH2149 | 08/19/2022 10:45 | TBB |
| EPA 200.8 | Thallium | N | <0.0244U | mg/kg dry | 1 | 0.0244 | 1.77 | BFH2149 | 08/19/2022 10:45 | TBB |

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## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 1-4 (Continued)
Lab Sample ID: 22F4225-52
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Zinc | N | 200 | | mg/kg dry | 2 | 2.66 | 14.2 | BFH2149 | 08/19/2022 11:32 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.5 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 1-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-52RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <18.1 | U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/04/2022 06:42 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <18.1 | U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/04/2022 06:42 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <18.1 | U | ug/kg dry | 1 | 18.1 | 18.1 | BFG2349 | 08/04/2022 06:42 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *43.0%* | *S* | *60-140* | | | | | *08/04/2022 06:42* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *101%* | | *60-140* | | | | | *08/04/2022 06:42* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *132%* | | *60-140* | | | | | *08/04/2022 06:42* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *379%* | *S* | *60-140* | | | | | *08/04/2022 06:42* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *455%* | *S* | *60-140* | | | | | *08/04/2022 06:42* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *41.9%* | *S* | *60-140* | | | | | *08/04/2022 06:42* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

# Sample Results

**(Continued)**

Client Sample ID: NV-HI-DMMU 1-5
Lab Sample ID: 22F4225-53
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <38.1U | ug/kg dry | 1 | 38.1 | 38.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Acenaphthene | A | <19.1U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <19.1U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <19.1U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <38.1U | ug/kg dry | 1 | 38.1 | 38.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <19.1U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <19.1B, U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Chrysene | A | <19.1U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <19.1U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <19.1B, U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Fluoranthene | A | <19.1U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Fluorene | A | <19.1U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <19.1U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Naphthalene | A | 24.6 | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Phenol, Total | A | 568V | ug/kg dry | 1 | 38.1 | 38.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| SW-8270 | Pyrene | A | <19.1U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/16/2022 07:14 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *23.1% S* | *60-140* | | | | | *08/16/2022 07:14* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *64.4%* | *60-140* | | | | | *08/16/2022 07:14* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *80.0%* | *60-140* | | | | | *08/16/2022 07:14* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *91.6%* | *60-140* | | | | | *08/16/2022 07:14* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *91.2%* | *60-140* | | | | | *08/16/2022 07:14* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *11.2% S* | *60-140* | | | | | *08/16/2022 07:14* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.272U | mg/kg dry | 1 | 0.272 | 3.38 | BFH2149 | 08/19/2022 10:47 | TBB |
| EPA 200.8 | Arsenic | N | 27.7 | mg/kg dry | 1 | 0.416 | 1.69 | BFH2149 | 08/19/2022 10:47 | TBB |
| EPA 200.8 | Beryllium | N | <0.0338U | mg/kg dry | 1 | 0.0338 | 0.676 | BFH2149 | 08/19/2022 10:47 | TBB |
| EPA 200.8 | Cadmium | N | 0.407J | mg/kg dry | 1 | 0.107 | 3.38 | BFH2149 | 08/19/2022 10:47 | TBB |
| EPA 200.8 | Chromium | N | 3.14J | mg/kg dry | 1 | 0.249 | 10.1 | BFH2149 | 08/19/2022 10:47 | TBB |
| EPA 200.8 | Copper | N | 9.91 | mg/kg dry | 1 | 0.294 | 3.38 | BFH2149 | 08/19/2022 10:47 | TBB |
| Calc | Chromium (III) | | <13.8U | mg/kg (dry wt) dry | 1 | 13.8 | 48.3 | [CALC] | 08/19/2022 10:47 | EM |
| SW-7196 | Chromium (VI) | N | 49.6 | mg/kg (dry wt) dry | 1 | 13.5 | 38.1 | BFG2216 | 07/20/2022 17:39 | EM |
| SW-7471B | Mercury | A | <0.0331U | mg/kg dry | 1 | 0.0331 | 0.0662 | BFG3636 | 07/28/2022 16:44 | EM |
| EPA 200.8 | Lead | N | 0.824J | mg/kg dry | 1 | 0.255 | 1.69 | BFH2149 | 08/19/2022 10:47 | TBB |
| EPA 200.8 | Nickel | N | 2.83J | mg/kg dry | 1 | 0.0599 | 3.38 | BFH2149 | 08/19/2022 10:47 | TBB |
| EPA 200.8 | Selenium | N | <3.72U | mg/kg dry | 1 | 3.72 | 16.9 | BFH2149 | 08/19/2022 10:47 | TBB |
| EPA 200.8 | Silver | N | 0.120J | mg/kg dry | 1 | 0.0240 | 1.69 | BFH2149 | 08/19/2022 10:47 | TBB |
| EPA 200.8 | Thallium | N | <0.0233U | mg/kg dry | 1 | 0.0233 | 1.69 | BFH2149 | 08/19/2022 10:47 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 1-5 (Continued)
Lab Sample ID: 22F4225-53
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Zinc | N | 290 | | mg/kg dry | 5 | 6.35 | 33.8 | BFH2149 | 08/19/2022 11:35 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.0 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 1-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-53RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <19.1 | U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/04/2022 07:16 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <19.1 | U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/04/2022 07:16 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <19.1 | U | ug/kg dry | 1 | 19.1 | 19.1 | BFG2349 | 08/04/2022 07:16 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *56.1%* | *S* | *60-140* | | | | | *08/04/2022 07:16* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *100%* | | *60-140* | | | | | *08/04/2022 07:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *137%* | | *60-140* | | | | | *08/04/2022 07:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *313%* | *S* | *60-140* | | | | | *08/04/2022 07:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *357%* | *S* | *60-140* | | | | | *08/04/2022 07:16* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *23.3%* | *S* | *60-140* | | | | | *08/04/2022 07:16* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 2-1
Lab Sample ID: 22F4225-54
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <37.6 | U | ug/kg dry | 1 | 37.6 | 37.6 | BFG2755 | 08/12/2022 18:33 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 318 | V | ug/kg dry | 1 | 18.8 | 18.8 | BFG2755 | 08/12/2022 18:33 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <18.8 | U | ug/kg dry | 1 | 18.8 | 18.8 | BFG2755 | 08/12/2022 18:33 | KRB |
| SW-8270 | Phenol, Total | A | 1060 | V | ug/kg dry | 1 | 37.6 | 37.6 | BFG2755 | 08/12/2022 18:33 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *45.8%* | *S* | *60-140* | | | | | *08/12/2022 18:33* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *97.4%* | | *60-140* | | | | | *08/12/2022 18:33* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *86.7%* | | *60-140* | | | | | *08/12/2022 18:33* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *123%* | | *60-140* | | | | | *08/12/2022 18:33* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *235%* | *S* | *60-140* | | | | | *08/12/2022 18:33* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *19.7%* | *S* | *60-140* | | | | | *08/12/2022 18:33* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.309 | U | mg/kg dry | 1 | 0.309 | 3.84 | BFH2149 | 08/19/2022 10:57 | TBB |
| EPA 200.8 | Arsenic | N | 25.8 | | mg/kg dry | 1 | 0.472 | 1.92 | BFH2149 | 08/19/2022 10:57 | TBB |
| EPA 200.8 | Beryllium | N | <0.0384 | U | mg/kg dry | 1 | 0.0384 | 0.768 | BFH2149 | 08/19/2022 10:57 | TBB |
| EPA 200.8 | Cadmium | N | 0.428 | J | mg/kg dry | 1 | 0.121 | 3.84 | BFH2149 | 08/19/2022 10:57 | TBB |
| EPA 200.8 | Chromium | N | 0.774 | J | mg/kg dry | 1 | 0.282 | 11.5 | BFH2149 | 08/19/2022 10:57 | TBB |
| EPA 200.8 | Copper | N | 11.4 | | mg/kg dry | 1 | 0.334 | 3.84 | BFH2149 | 08/19/2022 10:57 | TBB |
| Calc | Chromium (III) | | <15.2 | U | mg/kg (dry wt) dry | 1 | 15.2 | 53.8 | [CALC] | 08/19/2022 10:57 | EM |
| SW-7196 | Chromium (VI) | N | 22.7 | J | mg/kg (dry wt) dry | 1 | 15.0 | 42.2 | BFG2216 | 07/20/2022 17:40 | EM |
| SW-7471B | Mercury | A | <0.0381 | U | mg/kg dry | 1 | 0.0381 | 0.0762 | BFG3636 | 07/28/2022 16:48 | EM |
| EPA 200.8 | Lead | N | 1.11 | J | mg/kg dry | 1 | 0.290 | 1.92 | BFH2149 | 08/19/2022 10:57 | TBB |
| EPA 200.8 | Nickel | N | 1.90 | J | mg/kg dry | 1 | 0.0680 | 3.84 | BFH2149 | 08/19/2022 10:57 | TBB |
| EPA 200.8 | Selenium | N | <4.22 | U | mg/kg dry | 1 | 4.22 | 19.2 | BFH2149 | 08/19/2022 10:57 | TBB |
| EPA 200.8 | Silver | N | 0.218 | J | mg/kg dry | 1 | 0.0273 | 1.92 | BFH2149 | 08/19/2022 10:57 | TBB |
| EPA 200.8 | Thallium | N | <0.0265 | U | mg/kg dry | 1 | 0.0265 | 1.92 | BFH2149 | 08/19/2022 10:57 | TBB |
| EPA 200.8 | Zinc | N | 233 | | mg/kg dry | 5 | 7.21 | 38.4 | BFH2149 | 08/19/2022 11:37 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.7 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 2-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-54RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *52.2%* | *S* | *60-140* | | | | | *08/18/2022 18:18* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *88.4%* | | *60-140* | | | | | *08/18/2022 18:18* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *83.6%* | | *60-140* | | | | | *08/18/2022 18:18* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *99.8%* | | *60-140* | | | | | *08/18/2022 18:18* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *153%* | *S* | *60-140* | | | | | *08/18/2022 18:18* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *51.9%* | *S* | *60-140* | | | | | *08/18/2022 18:18* | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 2-2
Lab Sample ID: 22F4225-55
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <35.6 | U | ug/kg dry | 1 | 35.6 | 35.6 | BFG2755 | 08/12/2022 19:07 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <17.8 | B, U | ug/kg dry | 1 | 17.8 | 17.8 | BFG2755 | 08/12/2022 19:07 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 80.2 | | ug/kg dry | 1 | 17.8 | 17.8 | BFG2755 | 08/12/2022 19:07 | KRB |
| SW-8270 | Phenol, Total | A | 727 | V | ug/kg dry | 1 | 35.6 | 35.6 | BFG2755 | 08/12/2022 19:07 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *22.9%* | *S* | *60-140* | | | | | *08/12/2022 19:07* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *108%* | | *60-140* | | | | | *08/12/2022 19:07* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *105%* | | *60-140* | | | | | *08/12/2022 19:07* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *152%* | *S* | *60-140* | | | | | *08/12/2022 19:07* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *201%* | *S* | *60-140* | | | | | *08/12/2022 19:07* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *33.3%* | *S* | *60-140* | | | | | *08/12/2022 19:07* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.263 | U | mg/kg dry | 1 | 0.263 | 3.27 | BFH2149 | 08/19/2022 10:59 | TBB |
| EPA 200.8 | Arsenic | N | 24.6 | | mg/kg dry | 1 | 0.402 | 1.63 | BFH2149 | 08/19/2022 10:59 | TBB |
| EPA 200.8 | Beryllium | N | <0.0327 | U | mg/kg dry | 1 | 0.0327 | 0.654 | BFH2149 | 08/19/2022 10:59 | TBB |
| EPA 200.8 | Cadmium | N | 0.442 | J | mg/kg dry | 1 | 0.103 | 3.27 | BFH2149 | 08/19/2022 10:59 | TBB |
| EPA 200.8 | Chromium | N | 0.847 | J | mg/kg dry | 1 | 0.240 | 9.81 | BFH2149 | 08/19/2022 10:59 | TBB |
| EPA 200.8 | Copper | N | 9.93 | | mg/kg dry | 1 | 0.284 | 3.27 | BFH2149 | 08/19/2022 10:59 | TBB |
| Calc | Chromium (III) | | <14.6 | U | mg/kg (dry wt) dry | 1 | 14.6 | 50.3 | [CALC] | 08/19/2022 10:59 | EM |
| SW-7196 | Chromium (VI) | N | 80.5 | | mg/kg (dry wt) dry | 1 | 14.3 | 40.5 | BFG2216 | 07/20/2022 17:44 | EM |
| SW-7471B | Mercury | A | <0.0349 | U | mg/kg dry | 1 | 0.0349 | 0.0698 | BFG3636 | 07/28/2022 16:51 | EM |
| EPA 200.8 | Lead | N | 0.847 | J | mg/kg dry | 1 | 0.247 | 1.63 | BFH2149 | 08/19/2022 10:59 | TBB |
| EPA 200.8 | Nickel | N | 1.87 | J | mg/kg dry | 1 | 0.0579 | 3.27 | BFH2149 | 08/19/2022 10:59 | TBB |
| EPA 200.8 | Selenium | N | <3.60 | U | mg/kg dry | 1 | 3.60 | 16.3 | BFH2149 | 08/19/2022 10:59 | TBB |
| EPA 200.8 | Silver | N | 0.183 | J | mg/kg dry | 1 | 0.0232 | 1.63 | BFH2149 | 08/19/2022 10:59 | TBB |
| EPA 200.8 | Thallium | N | <0.0226 | U | mg/kg dry | 1 | 0.0226 | 1.63 | BFH2149 | 08/19/2022 10:59 | TBB |
| EPA 200.8 | Zinc | N | 79.8 | | mg/kg dry | 1 | 1.23 | 6.54 | BFH2149 | 08/19/2022 10:59 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.0 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
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## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 2-3
Lab Sample ID: 22F4225-56
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <37.3U | ug/kg dry | 1 | 37.3 | 37.3 | BFG2755 | 08/12/2022 19:41 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <18.6B, U | ug/kg dry | 1 | 18.6 | 18.6 | BFG2755 | 08/12/2022 19:41 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <18.6U | ug/kg dry | 1 | 18.6 | 18.6 | BFG2755 | 08/12/2022 19:41 | KRB |
| SW-8270 | Phenol, Total | A | 475V | ug/kg dry | 1 | 37.3 | 37.3 | BFG2755 | 08/12/2022 19:41 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *51.7% S* | *60-140* | | | | | *08/12/2022 19:41* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *74.3%* | *60-140* | | | | | *08/12/2022 19:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *87.4%* | *60-140* | | | | | *08/12/2022 19:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *99.1%* | *60-140* | | | | | *08/12/2022 19:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *151% S* | *60-140* | | | | | *08/12/2022 19:41* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.319U | mg/kg dry | 1 | 0.319 | 3.96 | BFH2148 | 08/18/2022 17:04 | TBB |
| EPA 200.8 | Arsenic | N | 23.5 | mg/kg dry | 1 | 0.487 | 1.98 | BFH2148 | 08/18/2022 17:04 | TBB |
| EPA 200.8 | Beryllium | N | <0.0396U | mg/kg dry | 1 | 0.0396 | 0.792 | BFH2148 | 08/23/2022 13:01 | TBB |
| EPA 200.8 | Cadmium | N | 0.409J | mg/kg dry | 1 | 0.125 | 3.96 | BFH2148 | 08/18/2022 17:04 | TBB |
| EPA 200.8 | Chromium | N | 0.576J | mg/kg dry | 1 | 0.291 | 11.9 | BFH2148 | 08/19/2022 12:10 | TBB |
| EPA 200.8 | Copper | N | 9.65 | mg/kg dry | 1 | 0.344 | 3.96 | BFH2148 | 08/19/2022 12:10 | TBB |
| Calc | Chromium (III) | | <15.6U | mg/kg (dry wt) dry | 1 | 15.6 | 55.0 | [CALC] | 08/19/2022 12:10 | EM |
| SW-7196 | Chromium (VI) | N | 18.9J | mg/kg (dry wt) dry | 1 | 15.3 | 43.2 | BFG2216 | 07/20/2022 17:43 | EM |
| EPA 200.8 | Lead | N | 0.762J | mg/kg dry | 1 | 0.299 | 1.98 | BFH2148 | 08/18/2022 17:04 | TBB |
| EPA 200.8 | Nickel | N | 1.83J | mg/kg dry | 1 | 0.0701 | 3.96 | BFH2148 | 08/19/2022 12:10 | TBB |
| EPA 200.8 | Selenium | N | <4.35U | mg/kg dry | 1 | 4.35 | 19.8 | BFH2148 | 08/19/2022 12:10 | TBB |
| EPA 200.8 | Silver | N | 0.148J | mg/kg dry | 1 | 0.0281 | 1.98 | BFH2148 | 08/23/2022 13:01 | TBB |
| EPA 200.8 | Thallium | N | <0.0273U | mg/kg dry | 1 | 0.0273 | 1.98 | BFH2148 | 08/18/2022 17:04 | TBB |
| EPA 200.8 | Zinc | N | 244 | mg/kg dry | 5 | 7.43 | 39.6 | BFH2148 | 08/19/2022 13:12 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.3 | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 2-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-56RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *29.2%* | *S* | *60-140* | | | | | *08/17/2022 08:36* | |
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0396 | B, U | mg/kg dry | 1 | 0.0396 | 0.0792 | BFH2628 | 08/18/2022 19:57 | NAZ |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 2-4
Lab Sample ID: 22F4225-57
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <32.1 | U | ug/kg dry | 1 | 32.1 | 32.1 | BFG2755 | 08/12/2022 20:16 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <16.1 | B, U | ug/kg dry | 1 | 16.1 | 16.1 | BFG2755 | 08/12/2022 20:16 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 40.3 | | ug/kg dry | 1 | 16.1 | 16.1 | BFG2755 | 08/12/2022 20:16 | KRB |
| SW-8270 | Phenol, Total | A | 517 | V | ug/kg dry | 1 | 32.1 | 32.1 | BFG2755 | 08/12/2022 20:16 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *51.2%* | *S* | *60-140* | | | | | *08/12/2022 20:16* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *102%* | | *60-140* | | | | | *08/12/2022 20:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *92.7%* | | *60-140* | | | | | *08/12/2022 20:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *196%* | *S* | *60-140* | | | | | *08/12/2022 20:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *222%* | *S* | *60-140* | | | | | *08/12/2022 20:16* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *19.9%* | *S* | *60-140* | | | | | *08/12/2022 20:16* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.286 | U | mg/kg dry | 1 | 0.286 | 3.55 | BFH2149 | 08/19/2022 11:01 | TBB |
| EPA 200.8 | Arsenic | N | 27.3 | | mg/kg dry | 1 | 0.437 | 1.78 | BFH2149 | 08/19/2022 11:01 | TBB |
| EPA 200.8 | Beryllium | N | <0.0355 | U | mg/kg dry | 1 | 0.0355 | 0.711 | BFH2149 | 08/19/2022 11:01 | TBB |
| EPA 200.8 | Cadmium | N | 0.447 | J | mg/kg dry | 1 | 0.112 | 3.55 | BFH2149 | 08/19/2022 11:01 | TBB |
| EPA 200.8 | Chromium | N | 0.646 | J | mg/kg dry | 1 | 0.261 | 10.7 | BFH2149 | 08/19/2022 11:01 | TBB |
| EPA 200.8 | Copper | N | 8.76 | | mg/kg dry | 1 | 0.309 | 3.55 | BFH2149 | 08/19/2022 11:01 | TBB |
| Calc | Chromium (III) | | <14.6 | U | mg/kg (dry wt) dry | 1 | 14.6 | 51.2 | [CALC] | 08/19/2022 11:01 | EM |
| SW-7196 | Chromium (VI) | N | 18.1 | J | mg/kg (dry wt) dry | 1 | 14.3 | 40.5 | BFG2216 | 07/20/2022 17:47 | EM |
| SW-7471B | Mercury | A | <0.0342 | U | mg/kg dry | 1 | 0.0342 | 0.0684 | BFG3636 | 07/28/2022 16:54 | EM |
| EPA 200.8 | Lead | N | 0.607 | J | mg/kg dry | 1 | 0.268 | 1.78 | BFH2149 | 08/19/2022 11:01 | TBB |
| EPA 200.8 | Nickel | N | 1.79 | J | mg/kg dry | 1 | 0.0629 | 3.55 | BFH2149 | 08/19/2022 11:01 | TBB |
| EPA 200.8 | Selenium | N | <3.91 | U | mg/kg dry | 1 | 3.91 | 17.8 | BFH2149 | 08/19/2022 11:01 | TBB |
| EPA 200.8 | Silver | N | 0.0977 | J | mg/kg dry | 1 | 0.0252 | 1.78 | BFH2149 | 08/19/2022 11:01 | TBB |
| EPA 200.8 | Thallium | N | <0.0245 | U | mg/kg dry | 1 | 0.0245 | 1.78 | BFH2149 | 08/19/2022 11:01 | TBB |
| EPA 200.8 | Zinc | N | 330 | | mg/kg dry | 5 | 6.67 | 35.5 | BFH2149 | 08/19/2022 11:39 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.3 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 2-5
Lab Sample ID: 22F4225-58
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <36.1 | U | ug/kg dry | 1 | 36.1 | 36.1 | BFG2755 | 08/12/2022 20:50 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <18.0 | B, U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2755 | 08/12/2022 20:50 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 40.1 | | ug/kg dry | 1 | 18.0 | 18.0 | BFG2755 | 08/12/2022 20:50 | KRB |
| SW-8270 | Phenol, Total | A | 686 | V | ug/kg dry | 1 | 36.1 | 36.1 | BFG2755 | 08/12/2022 20:50 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *38.7%* | *S* | *60-140* | | | | | *08/12/2022 20:50* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *93.4%* | | *60-140* | | | | | *08/12/2022 20:50* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *86.3%* | | *60-140* | | | | | *08/12/2022 20:50* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *196%* | *S* | *60-140* | | | | | *08/12/2022 20:50* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *184%* | *S* | *60-140* | | | | | *08/12/2022 20:50* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *21.2%* | *S* | *60-140* | | | | | *08/12/2022 20:50* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.286 | U | mg/kg dry | 1 | 0.286 | 3.55 | BFH2149 | 08/19/2022 11:04 | TBB |
| EPA 200.8 | Arsenic | N | 25.2 | | mg/kg dry | 1 | 0.437 | 1.77 | BFH2149 | 08/19/2022 11:04 | TBB |
| EPA 200.8 | Beryllium | N | <0.0355 | U | mg/kg dry | 1 | 0.0355 | 0.710 | BFH2149 | 08/19/2022 11:04 | TBB |
| EPA 200.8 | Cadmium | N | 0.468 | J | mg/kg dry | 1 | 0.112 | 3.55 | BFH2149 | 08/19/2022 11:04 | TBB |
| EPA 200.8 | Chromium | N | 0.932 | J | mg/kg dry | 1 | 0.261 | 10.6 | BFH2149 | 08/19/2022 11:04 | TBB |
| EPA 200.8 | Copper | N | 8.79 | | mg/kg dry | 1 | 0.309 | 3.55 | BFH2149 | 08/19/2022 11:04 | TBB |
| Calc | Chromium (III) | | <15.3 | U | mg/kg (dry wt) dry | 1 | 15.3 | 53.2 | [CALC] | 08/19/2022 11:04 | EM |
| SW-7196 | Chromium (VI) | N | <15.1 | U | mg/kg (dry wt) dry | 1 | 15.1 | 42.6 | BFG2216 | 07/20/2022 17:48 | EM |
| SW-7471B | Mercury | A | <0.0363 | U | mg/kg dry | 1 | 0.0363 | 0.0726 | BFG3636 | 07/28/2022 16:58 | EM |
| EPA 200.8 | Lead | N | 0.720 | J | mg/kg dry | 1 | 0.268 | 1.77 | BFH2149 | 08/19/2022 11:04 | TBB |
| EPA 200.8 | Nickel | N | 1.84 | J | mg/kg dry | 1 | 0.0628 | 3.55 | BFH2149 | 08/19/2022 11:04 | TBB |
| EPA 200.8 | Selenium | N | <3.90 | U | mg/kg dry | 1 | 3.90 | 17.7 | BFH2149 | 08/19/2022 11:04 | TBB |
| EPA 200.8 | Silver | N | 0.151 | J | mg/kg dry | 1 | 0.0252 | 1.77 | BFH2149 | 08/19/2022 11:04 | TBB |
| EPA 200.8 | Thallium | N | <0.0245 | U | mg/kg dry | 1 | 0.0245 | 1.77 | BFH2149 | 08/19/2022 11:04 | TBB |
| EPA 200.8 | Zinc | N | 82.6 | | mg/kg dry | 1 | 1.33 | 7.10 | BFH2149 | 08/19/2022 11:04 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.7 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-1
Lab Sample ID: 22F4225-59
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <42.7U | ug/kg dry | 1 | 42.7 | 42.7 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Acenaphthene | A | <21.4U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <21.4U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <21.4U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <42.7U | ug/kg dry | 1 | 42.7 | 42.7 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <21.4U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <21.4B, U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Chrysene | A | <21.4U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <21.4U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 79.7V | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Fluoranthene | A | <21.4U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Fluorene | A | 25.9 | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <21.4U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Naphthalene | A | 31.0 | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| SW-8270 | Pyrene | A | <21.4U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/16/2022 07:49 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *8.00% S* | *60-140* | | | | | *08/16/2022 07:49* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *58.8% S* | *60-140* | | | | | *08/16/2022 07:49* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *72.9%* | *60-140* | | | | | *08/16/2022 07:49* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *86.3%* | *60-140* | | | | | *08/16/2022 07:49* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *110%* | *60-140* | | | | | *08/16/2022 07:49* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *16.8% S* | *60-140* | | | | | *08/16/2022 07:49* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.308U | mg/kg dry | 1 | 0.308 | 3.83 | BFH2148 | 08/18/2022 17:06 | TBB |
| EPA 200.8 | Arsenic | N | 16.6 | mg/kg dry | 1 | 0.471 | 1.91 | BFH2148 | 08/18/2022 17:06 | TBB |
| EPA 200.8 | Beryllium | N | <0.0383U | mg/kg dry | 1 | 0.0383 | 0.765 | BFH2148 | 08/23/2022 13:03 | TBB |
| EPA 200.8 | Cadmium | N | 0.248J | mg/kg dry | 1 | 0.121 | 3.83 | BFH2148 | 08/18/2022 17:06 | TBB |
| EPA 200.8 | Chromium | N | 1.01J | mg/kg dry | 1 | 0.281 | 11.5 | BFH2148 | 08/19/2022 12:12 | TBB |
| EPA 200.8 | Copper | N | 7.38 | mg/kg dry | 1 | 0.333 | 3.83 | BFH2148 | 08/19/2022 12:12 | TBB |
| Calc | Chromium (III) | | <16.9U | mg/kg (dry wt) dry | 1 | 16.9 | 58.4 | [CALC] | 08/19/2022 12:12 | EM |
| SW-7196 | Chromium (VI) | N | 48.4 | mg/kg (dry wt) dry | 1 | 16.6 | 47.0 | BFG2216 | 07/20/2022 17:48 | EM |
| EPA 200.8 | Lead | N | 0.731J | mg/kg dry | 1 | 0.289 | 1.91 | BFH2148 | 08/18/2022 17:06 | TBB |
| EPA 200.8 | Nickel | N | 1.17J | mg/kg dry | 1 | 0.0677 | 3.83 | BFH2148 | 08/19/2022 12:12 | TBB |
| EPA 200.8 | Selenium | N | <4.21U | mg/kg dry | 1 | 4.21 | 19.1 | BFH2148 | 08/19/2022 12:12 | TBB |
| EPA 200.8 | Silver | N | 0.179J | mg/kg dry | 1 | 0.0272 | 1.91 | BFH2148 | 08/23/2022 13:03 | TBB |
| EPA 200.8 | Thallium | N | <0.0264U | mg/kg dry | 1 | 0.0264 | 1.91 | BFH2148 | 08/18/2022 17:06 | TBB |
| EPA 200.8 | Zinc | N | 66.5 | mg/kg dry | 1 | 1.44 | 7.65 | BFH2148 | 08/19/2022 12:12 | TBB |
| **General Chemistry** | | | | | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-1 (Continued)
Lab Sample ID: 22F4225-59
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Chemistry (Continued)** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 11.3 | | % | 1 | 0.100 | 0.100 | BFG0445 | 07/07/2022 10:14 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-1
Lab Sample ID: 22F4225-59RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total (Rerun) | A | 6680 | V | ug/kg dry | 10 | 427 | 427 | BFG2349 | 08/18/2022 16:22 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *6.83%* | *S* | *60-140* | | | | | *08/18/2022 16:22* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *52.2%* | *S* | *60-140* | | | | | *08/18/2022 16:22* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *64.7%* | | *60-140* | | | | | *08/18/2022 16:22* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *90.8%* | | *60-140* | | | | | *08/18/2022 16:22* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *103%* | | *60-140* | | | | | *08/18/2022 16:22* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *59.5%* | *S* | *60-140* | | | | | *08/18/2022 16:22* | |
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0436 | B, U | mg/kg dry | 1 | 0.0436 | 0.0872 | BFH2628 | 08/18/2022 20:00 | NAZ |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 3-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-59RE2 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <21.4 | U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/04/2022 07:51 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <21.4 | U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/04/2022 07:51 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <21.4 | U | ug/kg dry | 1 | 21.4 | 21.4 | BFG2349 | 08/04/2022 07:51 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *16.4%* | *S* | *60-140* | | | | | *08/04/2022 07:51* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *75.4%* | | *60-140* | | | | | *08/04/2022 07:51* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *148%* | *S* | *60-140* | | | | | *08/04/2022 07:51* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *280%* | *S* | *60-140* | | | | | *08/04/2022 07:51* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *291%* | *S* | *60-140* | | | | | *08/04/2022 07:51* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *25.1%* | *S* | *60-140* | | | | | *08/04/2022 07:51* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-2
Lab Sample ID: 22F4225-60
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 10:23 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 10:23 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 10:23 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 10:23 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 148V | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 10:23 | KRB |
| SW-8270 | Fluoranthene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 10:23 | KRB |
| SW-8270 | Fluorene | A | 24.1 | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 10:23 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 10:23 | KRB |
| SW-8270 | Naphthalene | A | 27.5 | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 10:23 | KRB |
| SW-8270 | Pyrene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 10:23 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *22.1% S* | *60-140* | | | | | *08/16/2022 10:23* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *56.0% S* | *60-140* | | | | | *08/16/2022 10:23* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *83.9%* | *60-140* | | | | | *08/16/2022 10:23* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *79.5%* | *60-140* | | | | | *08/16/2022 10:23* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *87.2%* | *60-140* | | | | | *08/16/2022 10:23* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *10.7% S* | *60-140* | | | | | *08/16/2022 10:23* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.345U | mg/kg dry | 1 | 0.345 | 4.28 | BFH2148 | 08/18/2022 17:15 | TBB |
| EPA 200.8 | Arsenic | N | 17.8 | mg/kg dry | 1 | 0.526 | 2.14 | BFH2148 | 08/18/2022 17:15 | TBB |
| EPA 200.8 | Beryllium | N | <0.0428U | mg/kg dry | 1 | 0.0428 | 0.856 | BFH2148 | 08/23/2022 13:06 | TBB |
| EPA 200.8 | Cadmium | N | 0.299J | mg/kg dry | 1 | 0.135 | 4.28 | BFH2148 | 08/18/2022 17:15 | TBB |
| EPA 200.8 | Chromium | N | 0.819J | mg/kg dry | 1 | 0.315 | 12.8 | BFH2148 | 08/19/2022 12:14 | TBB |
| EPA 200.8 | Copper | N | 7.52 | mg/kg dry | 1 | 0.372 | 4.28 | BFH2148 | 08/19/2022 12:14 | TBB |
| Calc | Chromium (III) | | <18.0U | mg/kg (dry wt) dry | 1 | 18.0 | 62.8 | [CALC] | 08/19/2022 12:14 | EM |
| SW-7196 | Chromium (VI) | N | 72.3 | mg/kg (dry wt) dry | 1 | 17.7 | 49.9 | BFG2216 | 07/20/2022 17:49 | EM |
| EPA 200.8 | Lead | N | 0.815J | mg/kg dry | 1 | 0.323 | 2.14 | BFH2148 | 08/18/2022 17:15 | TBB |
| EPA 200.8 | Nickel | N | 1.22J | mg/kg dry | 1 | 0.0758 | 4.28 | BFH2148 | 08/19/2022 12:14 | TBB |
| EPA 200.8 | Selenium | N | <4.71U | mg/kg dry | 1 | 4.71 | 21.4 | BFH2148 | 08/19/2022 12:14 | TBB |
| EPA 200.8 | Silver | N | 0.146J | mg/kg dry | 1 | 0.0304 | 2.14 | BFH2148 | 08/23/2022 13:06 | TBB |
| EPA 200.8 | Thallium | N | <0.0295U | mg/kg dry | 1 | 0.0295 | 2.14 | BFH2148 | 08/18/2022 17:15 | TBB |
| EPA 200.8 | Zinc | N | 417 | mg/kg dry | 5 | 8.04 | 42.8 | BFH2148 | 08/19/2022 13:15 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 9.67 | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-2
Lab Sample ID: 22F4225-60RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <47.4 | U | ug/kg dry | 1 | 47.4 | 47.4 | BFG2349 | 08/18/2022 12:17 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <23.7 | U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/18/2022 12:17 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <47.4 | U | ug/kg dry | 1 | 47.4 | 47.4 | BFG2349 | 08/18/2022 12:17 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <23.7 | B, U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/18/2022 12:17 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <23.7 | U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/18/2022 12:17 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 8280 | V | ug/kg dry | 10 | 474 | 474 | BFG2349 | 08/18/2022 16:57 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *20.1%* | *S* | *60-140* | | | | | *08/18/2022 12:17* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *54.6%* | *S* | *60-140* | | | | | *08/18/2022 16:57* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *71.3%* | | *60-140* | | | | | *08/18/2022 16:57* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *90.8%* | | *60-140* | | | | | *08/18/2022 16:57* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *79.1%* | | *60-140* | | | | | *08/18/2022 16:57* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *48.6%* | *S* | *60-140* | | | | | *08/18/2022 16:57* | |
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0496 | B, U | mg/kg dry | 1 | 0.0496 | 0.0993 | BFH2628 | 08/18/2022 20:04 | NAZ |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 3-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-60RE2 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <23.7 | CQ, U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/04/2022 09:00 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <23.7 | U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/04/2022 09:00 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <23.7 | U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/04/2022 09:00 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *23.4%* | *S* | *60-140* | | | | | *08/04/2022 09:00* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *78.1%* | | *60-140* | | | | | *08/04/2022 09:00* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *118%* | | *60-140* | | | | | *08/04/2022 09:00* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *242%* | *S* | *60-140* | | | | | *08/04/2022 09:00* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *249%* | *S* | *60-140* | | | | | *08/04/2022 09:00* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *26.6%* | *S* | *60-140* | | | | | *08/04/2022 09:00* | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-3
Lab Sample ID: 22F4225-61
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <20.5U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/16/2022 10:58 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <20.5U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/16/2022 10:58 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <20.5U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/16/2022 10:58 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <20.5U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/16/2022 10:58 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 112V | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/16/2022 10:58 | KRB |
| SW-8270 | Fluoranthene | A | <20.5U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/16/2022 10:58 | KRB |
| SW-8270 | Fluorene | A | 22.8 | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/16/2022 10:58 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <20.5U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/16/2022 10:58 | KRB |
| SW-8270 | Naphthalene | A | 27.0 | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/16/2022 10:58 | KRB |
| SW-8270 | Pyrene | A | <20.5U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/16/2022 10:58 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *2.96% S* | *60-140* | | | | | *08/16/2022 10:58* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *53.9% S* | *60-140* | | | | | *08/16/2022 10:58* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *51.7% S* | *60-140* | | | | | *08/16/2022 10:58* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *76.5%* | *60-140* | | | | | *08/16/2022 10:58* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *94.0%* | *60-140* | | | | | *08/16/2022 10:58* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *28.4% S* | *60-140* | | | | | *08/16/2022 10:58* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.344U | mg/kg dry | 1 | 0.344 | 4.28 | BFH2148 | 08/18/2022 17:17 | TBB |
| EPA 200.8 | Arsenic | N | 16.5 | mg/kg dry | 1 | 0.526 | 2.14 | BFH2148 | 08/18/2022 17:17 | TBB |
| EPA 200.8 | Beryllium | N | <0.0428U | mg/kg dry | 1 | 0.0428 | 0.856 | BFH2148 | 08/23/2022 13:16 | TBB |
| EPA 200.8 | Cadmium | N | 0.302J | mg/kg dry | 1 | 0.135 | 4.28 | BFH2148 | 08/18/2022 17:17 | TBB |
| EPA 200.8 | Chromium | N | 1.03J | mg/kg dry | 1 | 0.314 | 12.8 | BFH2148 | 08/19/2022 12:16 | TBB |
| EPA 200.8 | Copper | N | 8.86 | mg/kg dry | 1 | 0.372 | 4.28 | BFH2148 | 08/19/2022 12:16 | TBB |
| Calc | Chromium (III) | | <17.2U | mg/kg (dry wt) dry | 1 | 17.2 | 60.7 | [CALC] | 08/19/2022 12:16 | EM |
| SW-7196 | Chromium (VI) | N | 35.5J | mg/kg (dry wt) dry | 1 | 16.9 | 47.8 | BFG2216 | 07/20/2022 17:51 | EM |
| SW-7471B | Mercury | A | <0.0382U | mg/kg dry | 1 | 0.0382 | 0.0763 | BFG3636 | 07/28/2022 17:01 | EM |
| EPA 200.8 | Lead | N | 0.660J | mg/kg dry | 1 | 0.323 | 2.14 | BFH2148 | 08/18/2022 17:17 | TBB |
| EPA 200.8 | Nickel | N | 1.19J | mg/kg dry | 1 | 0.0757 | 4.28 | BFH2148 | 08/19/2022 12:16 | TBB |
| EPA 200.8 | Selenium | N | <4.71U | mg/kg dry | 1 | 4.71 | 21.4 | BFH2148 | 08/19/2022 12:16 | TBB |
| EPA 200.8 | Silver | N | 0.208J | mg/kg dry | 1 | 0.0304 | 2.14 | BFH2148 | 08/23/2022 13:16 | TBB |
| EPA 200.8 | Thallium | N | <0.0295U | mg/kg dry | 1 | 0.0295 | 2.14 | BFH2148 | 08/18/2022 17:17 | TBB |
| EPA 200.8 | Zinc | N | 67.1 | mg/kg dry | 1 | 1.61 | 8.56 | BFH2148 | 08/19/2022 12:16 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.6 | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-3
Lab Sample ID: 22F4225-61RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <40.9 | U | ug/kg dry | 1 | 40.9 | 40.9 | BFG2349 | 08/18/2022 12:52 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <20.5 | U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/18/2022 12:52 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <40.9 | U | ug/kg dry | 1 | 40.9 | 40.9 | BFG2349 | 08/18/2022 12:52 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 27.2 | V | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/18/2022 12:52 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <20.5 | U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/18/2022 12:52 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 7830 | V | ug/kg dry | 10 | 409 | 409 | BFG2349 | 08/18/2022 17:31 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *3.12%* | *S* | *60-140* | | | | | *08/18/2022 12:52* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *56.8%* | *S* | *60-140* | | | | | *08/18/2022 17:31* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *47.3%* | *S* | *60-140* | | | | | *08/18/2022 17:31* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *92.1%* | | *60-140* | | | | | *08/18/2022 17:31* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *88.3%* | | *60-140* | | | | | *08/18/2022 17:31* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *56.9%* | *S* | *60-140* | | | | | *08/18/2022 17:31* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-3
Lab Sample ID: 22F4225-61RE2
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <20.5 | CQ, U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/04/2022 09:34 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <20.5 | U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/04/2022 09:34 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <20.5 | U | ug/kg dry | 1 | 20.5 | 20.5 | BFG2349 | 08/04/2022 09:34 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *12.4%* | *S* | *60-140* | | | | | *08/04/2022 09:34* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *62.3%* | | *60-140* | | | | | *08/04/2022 09:34* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *111%* | | *60-140* | | | | | *08/04/2022 09:34* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *277%* | *S* | *60-140* | | | | | *08/04/2022 09:34* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *371%* | *S* | *60-140* | | | | | *08/04/2022 09:34* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *32.1%* | *S* | *60-140* | | | | | *08/04/2022 09:34* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-4
Lab Sample ID: 22F4225-62
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 11:44 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 11:44 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 11:44 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 11:44 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 213V | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 11:44 | KRB |
| SW-8270 | Fluoranthene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 11:44 | KRB |
| SW-8270 | Fluorene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 11:44 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 11:44 | KRB |
| SW-8270 | Naphthalene | A | 27.4 | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 11:44 | KRB |
| SW-8270 | Pyrene | A | <23.7U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/16/2022 11:44 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *13.0% S* | *60-140* | | | | | *08/16/2022 11:44* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *57.8% S* | *60-140* | | | | | *08/16/2022 11:44* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *82.8%* | *60-140* | | | | | *08/16/2022 11:44* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *83.5%* | *60-140* | | | | | *08/16/2022 11:44* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *120%* | *60-140* | | | | | *08/16/2022 11:44* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *17.5% S* | *60-140* | | | | | *08/16/2022 11:44* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.335U | mg/kg dry | 1 | 0.335 | 4.16 | BFH2148 | 08/18/2022 17:20 | TBB |
| EPA 200.8 | Arsenic | N | 15.3 | mg/kg dry | 1 | 0.512 | 2.08 | BFH2148 | 08/18/2022 17:20 | TBB |
| EPA 200.8 | Beryllium | N | <0.0416U | mg/kg dry | 1 | 0.0416 | 0.832 | BFH2148 | 08/23/2022 13:19 | TBB |
| EPA 200.8 | Cadmium | N | 0.273J | mg/kg dry | 1 | 0.132 | 4.16 | BFH2148 | 08/18/2022 17:20 | TBB |
| EPA 200.8 | Chromium | N | 1.52J | mg/kg dry | 1 | 0.306 | 12.5 | BFH2148 | 08/19/2022 12:19 | TBB |
| EPA 200.8 | Copper | N | 7.76 | mg/kg dry | 1 | 0.362 | 4.16 | BFH2148 | 08/19/2022 12:19 | TBB |
| Calc | Chromium (III) | | <17.8U | mg/kg (dry wt) dry | 1 | 17.8 | 61.8 | [CALC] | 08/19/2022 12:19 | EM |
| SW-7196 | Chromium (VI) | N | 47.2J | mg/kg (dry wt) dry | 1 | 17.4 | 49.3 | BFG2216 | 07/20/2022 17:51 | EM |
| SW-7471B | Mercury | A | <0.0410U | mg/kg dry | 1 | 0.0410 | 0.0820 | BFG3636 | 07/28/2022 17:04 | EM |
| EPA 200.8 | Lead | N | 0.684J | mg/kg dry | 1 | 0.314 | 2.08 | BFH2148 | 08/18/2022 17:20 | TBB |
| EPA 200.8 | Nickel | N | 1.48J | mg/kg dry | 1 | 0.0737 | 4.16 | BFH2148 | 08/19/2022 12:19 | TBB |
| EPA 200.8 | Selenium | N | <4.58U | mg/kg dry | 1 | 4.58 | 20.8 | BFH2148 | 08/19/2022 12:19 | TBB |
| EPA 200.8 | Silver | N | 0.165J | mg/kg dry | 1 | 0.0295 | 2.08 | BFH2148 | 08/23/2022 13:19 | TBB |
| EPA 200.8 | Thallium | N | <0.0287U | mg/kg dry | 1 | 0.0287 | 2.08 | BFH2148 | 08/18/2022 17:20 | TBB |
| EPA 200.8 | Zinc | N | 331 | mg/kg dry | 5 | 7.81 | 41.6 | BFH2148 | 08/19/2022 13:17 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.5 | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-4
Lab Sample ID: 22F4225-62RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <47.4 | U | ug/kg dry | 1 | 47.4 | 47.4 | BFG2349 | 08/18/2022 13:27 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <23.7 | U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/18/2022 13:27 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <47.4 | U | ug/kg dry | 1 | 47.4 | 47.4 | BFG2349 | 08/18/2022 13:27 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 28.1 | V | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/18/2022 13:27 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <23.7 | U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/18/2022 13:27 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 7980 | V | ug/kg dry | 10 | 474 | 474 | BFG2349 | 08/18/2022 18:06 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *11.8%* | *S* | *60-140* | | | | | *08/18/2022 13:27* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *61.3%* | | *60-140* | | | | | *08/18/2022 18:06* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *75.0%* | | *60-140* | | | | | *08/18/2022 18:06* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *91.2%* | | *60-140* | | | | | *08/18/2022 18:06* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *119%* | | *60-140* | | | | | *08/18/2022 18:06* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *53.9%* | *S* | *60-140* | | | | | *08/18/2022 18:06* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 3-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-62RE2 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <23.7 | CQ, U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/04/2022 10:08 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <23.7 | U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/04/2022 10:08 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <23.7 | U | ug/kg dry | 1 | 23.7 | 23.7 | BFG2349 | 08/04/2022 10:08 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *16.9%* | *S* | *60-140* | | | | | *08/04/2022 10:08* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *64.8%* | | *60-140* | | | | | *08/04/2022 10:08* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *95.7%* | | *60-140* | | | | | *08/04/2022 10:08* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *210%* | *S* | *60-140* | | | | | *08/04/2022 10:08* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *197%* | *S* | *60-140* | | | | | *08/04/2022 10:08* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *21.6%* | *S* | *60-140* | | | | | *08/04/2022 10:08* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-5
Lab Sample ID: 22F4225-63
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/16/2022 12:19 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/16/2022 12:19 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/16/2022 12:19 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/16/2022 12:19 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 113V | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/16/2022 12:19 | KRB |
| SW-8270 | Fluoranthene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/16/2022 12:19 | KRB |
| SW-8270 | Fluorene | A | 22.9 | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/16/2022 12:19 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/16/2022 12:19 | KRB |
| SW-8270 | Naphthalene | A | 24.9 | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/16/2022 12:19 | KRB |
| SW-8270 | Pyrene | A | <21.9U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/16/2022 12:19 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *4.97% S* | *60-140* | | | | | *08/16/2022 12:19* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *65.1%* | *60-140* | | | | | *08/16/2022 12:19* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *62.1%* | *60-140* | | | | | *08/16/2022 12:19* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *83.4%* | *60-140* | | | | | *08/16/2022 12:19* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *107%* | *60-140* | | | | | *08/16/2022 12:19* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *32.3% S* | *60-140* | | | | | *08/16/2022 12:19* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.329U | mg/kg dry | 1 | 0.329 | 4.08 | BFH2148 | 08/18/2022 17:22 | TBB |
| EPA 200.8 | Arsenic | N | 18.0 | mg/kg dry | 1 | 0.502 | 2.04 | BFH2148 | 08/18/2022 17:22 | TBB |
| EPA 200.8 | Beryllium | N | <0.0408U | mg/kg dry | 1 | 0.0408 | 0.817 | BFH2148 | 08/23/2022 13:21 | TBB |
| EPA 200.8 | Cadmium | N | 0.288J | mg/kg dry | 1 | 0.129 | 4.08 | BFH2148 | 08/18/2022 17:22 | TBB |
| EPA 200.8 | Chromium | N | 1.01J | mg/kg dry | 1 | 0.300 | 12.3 | BFH2148 | 08/19/2022 12:28 | TBB |
| EPA 200.8 | Copper | N | 8.45 | mg/kg dry | 1 | 0.355 | 4.08 | BFH2148 | 08/19/2022 12:28 | TBB |
| Calc | Chromium (III) | | <15.7U | mg/kg (dry wt) dry | 1 | 15.7 | 55.8 | [CALC] | 08/19/2022 12:28 | EM |
| SW-7196 | Chromium (VI) | N | 30.8J | mg/kg (dry wt) dry | 1 | 15.4 | 43.5 | BFG2216 | 07/20/2022 17:52 | EM |
| SW-7471B | Mercury | A | <0.0441U | mg/kg dry | 1 | 0.0441 | 0.0882 | BFG3636 | 07/28/2022 17:07 | EM |
| EPA 200.8 | Lead | N | 0.667J | mg/kg dry | 1 | 0.308 | 2.04 | BFH2148 | 08/18/2022 17:22 | TBB |
| EPA 200.8 | Nickel | N | 1.25J | mg/kg dry | 1 | 0.0723 | 4.08 | BFH2148 | 08/19/2022 12:28 | TBB |
| EPA 200.8 | Selenium | N | <4.49U | mg/kg dry | 1 | 4.49 | 20.4 | BFH2148 | 08/23/2022 13:21 | TBB |
| EPA 200.8 | Silver | N | 0.207J | mg/kg dry | 1 | 0.0290 | 2.04 | BFH2148 | 08/23/2022 13:21 | TBB |
| EPA 200.8 | Thallium | N | <0.0282U | mg/kg dry | 1 | 0.0282 | 2.04 | BFH2148 | 08/18/2022 17:22 | TBB |
| EPA 200.8 | Zinc | N | 60.5 | mg/kg dry | 1 | 1.53 | 8.17 | BFH2148 | 08/19/2022 12:28 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 10.8 | % | 1 | 0.100 | 0.100 | BFG0446 | 07/07/2022 10:26 | SSM |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-5
Lab Sample ID: 22F4225-63RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <43.8 | U | ug/kg dry | 1 | 43.8 | 43.8 | BFG2349 | 08/18/2022 14:02 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <21.9 | U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/18/2022 14:02 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <43.8 | U | ug/kg dry | 1 | 43.8 | 43.8 | BFG2349 | 08/18/2022 14:02 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 46.5 | V | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/18/2022 14:02 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <21.9 | U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/18/2022 14:02 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 5610 | V | ug/kg dry | 10 | 438 | 438 | BFG2349 | 08/18/2022 18:41 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *4.40%* | *S* | *60-140* | | | | | *08/18/2022 14:02* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *64.1%* | | *60-140* | | | | | *08/18/2022 18:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *49.7%* | *S* | *60-140* | | | | | *08/18/2022 18:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *96.8%* | | *60-140* | | | | | *08/18/2022 18:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *117%* | | *60-140* | | | | | *08/18/2022 18:41* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *58.0%* | *S* | *60-140* | | | | | *08/18/2022 18:41* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 3-5
Lab Sample ID: 22F4225-63RE2
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <21.9 | CQ, U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/04/2022 10:43 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <21.9 | U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/04/2022 10:43 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <21.9 | U | ug/kg dry | 1 | 21.9 | 21.9 | BFG2349 | 08/04/2022 10:43 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *10.2%* | *S* | *60-140* | | | | | *08/04/2022 10:43* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *66.4%* | | *60-140* | | | | | *08/04/2022 10:43* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *97.4%* | | *60-140* | | | | | *08/04/2022 10:43* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *216%* | *S* | *60-140* | | | | | *08/04/2022 10:43* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *192%* | *S* | *60-140* | | | | | *08/04/2022 10:43* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *26.2%* | *S* | *60-140* | | | | | *08/04/2022 10:43* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 4-1
Lab Sample ID: 22F4225-64
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <35.3 | U | ug/kg dry | 1 | 35.3 | 35.3 | BFG2755 | 08/12/2022 21:24 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <17.6 | B, U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2755 | 08/12/2022 21:24 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 38.8 | | ug/kg dry | 1 | 17.6 | 17.6 | BFG2755 | 08/12/2022 21:24 | KRB |
| SW-8270 | Phenol, Total | A | 611 | V | ug/kg dry | 1 | 35.3 | 35.3 | BFG2755 | 08/12/2022 21:24 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *29.6%* | *S* | *60-140* | | | | | *08/12/2022 21:24* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *103%* | | *60-140* | | | | | *08/12/2022 21:24* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *69.9%* | | *60-140* | | | | | *08/12/2022 21:24* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *181%* | *S* | *60-140* | | | | | *08/12/2022 21:24* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *122%* | | *60-140* | | | | | *08/12/2022 21:24* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *30.7%* | *S* | *60-140* | | | | | *08/12/2022 21:24* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.265 | U | mg/kg dry | 1 | 0.265 | 3.29 | BFH2148 | 08/18/2022 17:24 | TBB |
| EPA 200.8 | Arsenic | N | 22.4 | | mg/kg dry | 1 | 0.404 | 1.64 | BFH2148 | 08/18/2022 17:24 | TBB |
| EPA 200.8 | Beryllium | N | <0.0329 | U | mg/kg dry | 1 | 0.0329 | 0.657 | BFH2148 | 08/23/2022 13:24 | TBB |
| EPA 200.8 | Cadmium | N | 0.374 | J | mg/kg dry | 1 | 0.104 | 3.29 | BFH2148 | 08/18/2022 17:24 | TBB |
| EPA 200.8 | Chromium | N | 1.55 | J | mg/kg dry | 1 | 0.242 | 9.86 | BFH2148 | 08/19/2022 12:30 | TBB |
| EPA 200.8 | Copper | N | 10.4 | | mg/kg dry | 1 | 0.286 | 3.29 | BFH2148 | 08/19/2022 12:30 | TBB |
| Calc | Chromium (III) | | <13.9 | U | mg/kg (dry wt) dry | 1 | 13.9 | 48.4 | [CALC] | 08/19/2022 12:30 | EM |
| SW-7196 | Chromium (VI) | N | 78.8 | | mg/kg (dry wt) dry | 1 | 13.6 | 38.5 | BFG2216 | 07/20/2022 17:53 | EM |
| EPA 200.8 | Lead | N | 0.673 | J | mg/kg dry | 1 | 0.248 | 1.64 | BFH2148 | 08/18/2022 17:24 | TBB |
| EPA 200.8 | Nickel | N | 2.01 | J | mg/kg dry | 1 | 0.0582 | 3.29 | BFH2148 | 08/19/2022 12:30 | TBB |
| EPA 200.8 | Selenium | N | <3.62 | U | mg/kg dry | 1 | 3.62 | 16.4 | BFH2148 | 08/23/2022 13:24 | TBB |
| EPA 200.8 | Silver | N | 0.0983 | J | mg/kg dry | 1 | 0.0233 | 1.64 | BFH2148 | 08/23/2022 13:24 | TBB |
| EPA 200.8 | Thallium | N | <0.0227 | U | mg/kg dry | 1 | 0.0227 | 1.64 | BFH2148 | 08/18/2022 17:24 | TBB |
| EPA 200.8 | Zinc | N | 230 | | mg/kg dry | 5 | 6.17 | 32.9 | BFH2148 | 08/19/2022 13:20 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.0 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 4-1
Lab Sample ID: 22F4225-64RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0334 | B, U | mg/kg dry | 1 | 0.0334 | 0.0668 | BFH2628 | 08/18/2022 20:17 | NAZ |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 4-2
Lab Sample ID: 22F4225-65
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <34.8 | U | ug/kg dry | 1 | 34.8 | 34.8 | BFG2755 | 08/12/2022 21:58 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <17.4 | B, U | ug/kg dry | 1 | 17.4 | 17.4 | BFG2755 | 08/12/2022 21:58 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 29.7 | | ug/kg dry | 1 | 17.4 | 17.4 | BFG2755 | 08/12/2022 21:58 | KRB |
| SW-8270 | Phenol, Total | A | 427 | V | ug/kg dry | 1 | 34.8 | 34.8 | BFG2755 | 08/12/2022 21:58 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *42.1%* | *S* | *60-140* | | | | | *08/12/2022 21:58* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *83.4%* | | *60-140* | | | | | *08/12/2022 21:58* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *82.1%* | | *60-140* | | | | | *08/12/2022 21:58* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *109%* | | *60-140* | | | | | *08/12/2022 21:58* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *112%* | | *60-140* | | | | | *08/12/2022 21:58* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *22.7%* | *S* | *60-140* | | | | | *08/12/2022 21:58* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.256 | U | mg/kg dry | 1 | 0.256 | 3.18 | BFH2148 | 08/18/2022 17:27 | TBB |
| EPA 200.8 | Arsenic | N | 26.2 | | mg/kg dry | 1 | 0.391 | 1.59 | BFH2148 | 08/18/2022 17:27 | TBB |
| EPA 200.8 | Beryllium | N | <0.0318 | U | mg/kg dry | 1 | 0.0318 | 0.635 | BFH2148 | 08/23/2022 13:26 | TBB |
| EPA 200.8 | Cadmium | N | 0.397 | J | mg/kg dry | 1 | 0.100 | 3.18 | BFH2148 | 08/18/2022 17:27 | TBB |
| EPA 200.8 | Chromium | N | 1.19 | J | mg/kg dry | 1 | 0.234 | 9.53 | BFH2148 | 08/19/2022 12:33 | TBB |
| EPA 200.8 | Copper | N | 10.1 | | mg/kg dry | 1 | 0.276 | 3.18 | BFH2148 | 08/19/2022 12:33 | TBB |
| Calc | Chromium (III) | | <13.5 | U | mg/kg (dry wt) dry | 1 | 13.5 | 47.0 | [CALC] | 08/19/2022 12:33 | EM |
| SW-7196 | Chromium (VI) | N | 37.7 | | mg/kg (dry wt) dry | 1 | 13.2 | 37.4 | BFG2216 | 07/20/2022 17:54 | EM |
| EPA 200.8 | Lead | N | 0.641 | J | mg/kg dry | 1 | 0.240 | 1.59 | BFH2148 | 08/18/2022 17:27 | TBB |
| EPA 200.8 | Nickel | N | 2.04 | J | mg/kg dry | 1 | 0.0562 | 3.18 | BFH2148 | 08/19/2022 12:33 | TBB |
| EPA 200.8 | Selenium | N | <3.49 | U | mg/kg dry | 1 | 3.49 | 15.9 | BFH2148 | 08/23/2022 18:31 | TBB |
| EPA 200.8 | Silver | N | 0.0943 | J | mg/kg dry | 1 | 0.0226 | 1.59 | BFH2148 | 08/23/2022 13:26 | TBB |
| EPA 200.8 | Thallium | N | <0.0219 | U | mg/kg dry | 1 | 0.0219 | 1.59 | BFH2148 | 08/18/2022 17:27 | TBB |
| EPA 200.8 | Zinc | N | 243 | | mg/kg dry | 5 | 5.97 | 31.8 | BFH2148 | 08/19/2022 13:29 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.1 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 4-2
Lab Sample ID: 22F4225-65RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0352 | B, U | mg/kg dry | 1 | 0.0352 | 0.0704 | BFH2628 | 08/18/2022 20:20 | NAZ |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 4-3
Lab Sample ID: 22F4225-66
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <32.6 | U | ug/kg dry | 1 | 32.6 | 32.6 | BFG2755 | 08/12/2022 22:33 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <16.3 | B, U | ug/kg dry | 1 | 16.3 | 16.3 | BFG2755 | 08/12/2022 22:33 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 32.8 | | ug/kg dry | 1 | 16.3 | 16.3 | BFG2755 | 08/12/2022 22:33 | KRB |
| SW-8270 | Phenol, Total | A | 622 | V | ug/kg dry | 1 | 32.6 | 32.6 | BFG2755 | 08/12/2022 22:33 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *33.8%* | *S* | *60-140* | | | | | *08/12/2022 22:33* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *115%* | | *60-140* | | | | | *08/12/2022 22:33* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *58.1%* | *S* | *60-140* | | | | | *08/12/2022 22:33* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *87.3%* | | *60-140* | | | | | *08/12/2022 22:33* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *90.0%* | | *60-140* | | | | | *08/12/2022 22:33* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *20.8%* | *S* | *60-140* | | | | | *08/12/2022 22:33* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.249 | U | mg/kg dry | 1 | 0.249 | 3.09 | BFH2148 | 08/18/2022 17:36 | TBB |
| EPA 200.8 | Arsenic | N | 25.1 | | mg/kg dry | 1 | 0.381 | 1.55 | BFH2148 | 08/18/2022 17:36 | TBB |
| EPA 200.8 | Beryllium | N | <0.0309 | U | mg/kg dry | 1 | 0.0309 | 0.619 | BFH2148 | 08/23/2022 13:29 | TBB |
| EPA 200.8 | Cadmium | N | 0.385 | J | mg/kg dry | 1 | 0.0978 | 3.09 | BFH2148 | 08/18/2022 17:36 | TBB |
| EPA 200.8 | Chromium | N | 2.07 | J | mg/kg dry | 1 | 0.227 | 9.28 | BFH2148 | 08/19/2022 12:42 | TBB |
| EPA 200.8 | Copper | N | 10.4 | | mg/kg dry | 1 | 0.269 | 3.09 | BFH2148 | 08/19/2022 12:42 | TBB |
| Calc | Chromium (III) | | <12.8 | U | mg/kg (dry wt) dry | 1 | 12.8 | 44.7 | [CALC] | 08/19/2022 12:42 | EM |
| SW-7196 | Chromium (VI) | N | <12.6 | U | mg/kg (dry wt) dry | 1 | 12.6 | 35.5 | BFG2440 | 07/22/2022 17:15 | EM |
| SW-7471B | Mercury | A | 0.0379 | J | mg/kg dry | 1 | 0.0296 | 0.0592 | BFG3636 | 07/28/2022 17:11 | EM |
| EPA 200.8 | Lead | N | 0.564 | J | mg/kg dry | 1 | 0.234 | 1.55 | BFH2148 | 08/18/2022 17:36 | TBB |
| EPA 200.8 | Nickel | N | 2.28 | J | mg/kg dry | 1 | 0.0548 | 3.09 | BFH2148 | 08/19/2022 12:42 | TBB |
| EPA 200.8 | Selenium | N | <3.40 | U | mg/kg dry | 1 | 3.40 | 15.5 | BFH2148 | 08/23/2022 14:22 | TBB |
| EPA 200.8 | Silver | N | 0.0851 | J | mg/kg dry | 1 | 0.0220 | 1.55 | BFH2148 | 08/23/2022 13:29 | TBB |
| EPA 200.8 | Thallium | N | <0.0213 | U | mg/kg dry | 1 | 0.0213 | 1.55 | BFH2148 | 08/18/2022 17:36 | TBB |
| EPA 200.8 | Zinc | N | 176 | | mg/kg dry | 5 | 5.81 | 30.9 | BFH2148 | 08/19/2022 13:34 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.7 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 4-4
Lab Sample ID: 22F4225-67
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <33.9 | U | ug/kg dry | 1 | 33.9 | 33.9 | BFG2755 | 08/12/2022 23:07 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <16.9 | B, U | ug/kg dry | 1 | 16.9 | 16.9 | BFG2755 | 08/12/2022 23:07 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 35.1 | | ug/kg dry | 1 | 16.9 | 16.9 | BFG2755 | 08/12/2022 23:07 | KRB |
| SW-8270 | Phenol, Total | A | 488 | V | ug/kg dry | 1 | 33.9 | 33.9 | BFG2755 | 08/12/2022 23:07 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *33.0%* | *S* | *60-140* | | | | | *08/12/2022 23:07* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *79.2%* | | *60-140* | | | | | *08/12/2022 23:07* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *81.1%* | | *60-140* | | | | | *08/12/2022 23:07* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *143%* | *S* | *60-140* | | | | | *08/12/2022 23:07* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *115%* | | *60-140* | | | | | *08/12/2022 23:07* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *23.5%* | *S* | *60-140* | | | | | *08/12/2022 23:07* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.264 | U | mg/kg dry | 1 | 0.264 | 3.28 | BFH2148 | 08/18/2022 17:45 | TBB |
| EPA 200.8 | Arsenic | N | 23.7 | | mg/kg dry | 1 | 0.403 | 1.64 | BFH2148 | 08/18/2022 17:45 | TBB |
| EPA 200.8 | Beryllium | N | <0.0328 | U | mg/kg dry | 1 | 0.0328 | 0.655 | BFH2148 | 08/23/2022 13:39 | TBB |
| EPA 200.8 | Cadmium | N | 0.389 | J | mg/kg dry | 1 | 0.104 | 3.28 | BFH2148 | 08/18/2022 17:45 | TBB |
| EPA 200.8 | Chromium | N | 1.06 | J | mg/kg dry | 1 | 0.241 | 9.83 | BFH2148 | 08/19/2022 12:44 | TBB |
| EPA 200.8 | Copper | N | 10.2 | | mg/kg dry | 1 | 0.285 | 3.28 | BFH2148 | 08/19/2022 12:44 | TBB |
| Calc | Chromium (III) | | <13.3 | U | mg/kg (dry wt) dry | 1 | 13.3 | 46.8 | [CALC] | 08/19/2022 12:44 | EM |
| SW-7196 | Chromium (VI) | N | <13.1 | U | mg/kg (dry wt) dry | 1 | 13.1 | 37.0 | BFG2440 | 07/22/2022 17:17 | EM |
| SW-7471B | Mercury | A | 0.0347 | J | mg/kg dry | 1 | 0.0323 | 0.0645 | BFG3636 | 07/28/2022 17:14 | EM |
| EPA 200.8 | Lead | N | 0.632 | J | mg/kg dry | 1 | 0.247 | 1.64 | BFH2148 | 08/18/2022 17:45 | TBB |
| EPA 200.8 | Nickel | N | 1.93 | J | mg/kg dry | 1 | 0.0580 | 3.28 | BFH2148 | 08/19/2022 12:44 | TBB |
| EPA 200.8 | Selenium | N | <3.60 | U | mg/kg dry | 1 | 3.60 | 16.4 | BFH2148 | 08/23/2022 18:34 | TBB |
| EPA 200.8 | Silver | N | 0.104 | J | mg/kg dry | 1 | 0.0233 | 1.64 | BFH2148 | 08/23/2022 13:39 | TBB |
| EPA 200.8 | Thallium | N | <0.0226 | U | mg/kg dry | 1 | 0.0226 | 1.64 | BFH2148 | 08/18/2022 17:45 | TBB |
| EPA 200.8 | Zinc | N | 236 | | mg/kg dry | 5 | 6.15 | 32.8 | BFH2148 | 08/19/2022 13:36 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.1 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 4-5
Lab Sample ID: 22F4225-68
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <32.2 | U | ug/kg dry | 1 | 32.2 | 32.2 | BFG2755 | 08/12/2022 23:41 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <16.1 | B, U | ug/kg dry | 1 | 16.1 | 16.1 | BFG2755 | 08/12/2022 23:41 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 31.9 | | ug/kg dry | 1 | 16.1 | 16.1 | BFG2755 | 08/12/2022 23:41 | KRB |
| SW-8270 | Phenol, Total | A | 666 | V | ug/kg dry | 1 | 32.2 | 32.2 | BFG2755 | 08/12/2022 23:41 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *17.5%* | *S* | *60-140* | | | | | *08/12/2022 23:41* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *92.5%* | | *60-140* | | | | | *08/12/2022 23:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *59.7%* | *S* | *60-140* | | | | | *08/12/2022 23:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *121%* | | *60-140* | | | | | *08/12/2022 23:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *110%* | | *60-140* | | | | | *08/12/2022 23:41* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *17.5%* | *S* | *60-140* | | | | | *08/12/2022 23:41* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.248 | U | mg/kg dry | 1 | 0.248 | 3.08 | BFH2148 | 08/18/2022 17:47 | TBB |
| EPA 200.8 | Arsenic | N | 24.9 | | mg/kg dry | 1 | 0.378 | 1.54 | BFH2148 | 08/18/2022 17:47 | TBB |
| EPA 200.8 | Beryllium | N | <0.0308 | U | mg/kg dry | 1 | 0.0308 | 0.615 | BFH2148 | 08/23/2022 18:36 | TBB |
| EPA 200.8 | Cadmium | N | 0.397 | J | mg/kg dry | 1 | 0.0972 | 3.08 | BFH2148 | 08/18/2022 17:47 | TBB |
| EPA 200.8 | Chromium | N | 1.10 | J | mg/kg dry | 1 | 0.226 | 9.23 | BFH2148 | 08/19/2022 12:47 | TBB |
| EPA 200.8 | Copper | N | 9.77 | | mg/kg dry | 1 | 0.268 | 3.08 | BFH2148 | 08/19/2022 12:47 | TBB |
| Calc | Chromium (III) | | <13.4 | U | mg/kg (dry wt) dry | 1 | 13.4 | 46.6 | [CALC] | 08/19/2022 12:47 | EM |
| SW-7196 | Chromium (VI) | N | <13.2 | U | mg/kg (dry wt) dry | 1 | 13.2 | 37.3 | BFG2440 | 07/22/2022 17:20 | EM |
| SW-7471B | Mercury | A | <0.0342 | U | mg/kg dry | 1 | 0.0342 | 0.0685 | BFG3636 | 07/28/2022 17:24 | EM |
| EPA 200.8 | Lead | N | 0.594 | J | mg/kg dry | 1 | 0.232 | 1.54 | BFH2148 | 08/18/2022 17:47 | TBB |
| EPA 200.8 | Nickel | N | 1.94 | J | mg/kg dry | 1 | 0.0545 | 3.08 | BFH2148 | 08/19/2022 12:47 | TBB |
| EPA 200.8 | Selenium | N | <3.38 | U | mg/kg dry | 1 | 3.38 | 15.4 | BFH2148 | 08/23/2022 13:49 | TBB |
| EPA 200.8 | Silver | N | 0.138 | J | mg/kg dry | 1 | 0.0218 | 1.54 | BFH2148 | 08/23/2022 13:49 | TBB |
| EPA 200.8 | Thallium | N | <0.0212 | U | mg/kg dry | 1 | 0.0212 | 1.54 | BFH2148 | 08/18/2022 17:47 | TBB |
| EPA 200.8 | Zinc | N | 149 | | mg/kg dry | 2 | 2.31 | 12.3 | BFH2148 | 08/19/2022 13:39 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.1 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 5-1
Lab Sample ID: 22F4225-69
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <34.4U | ug/kg dry | 1 | 34.4 | 34.4 | BFG2755 | 08/13/2022 00:15 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <17.2B, U | ug/kg dry | 1 | 17.2 | 17.2 | BFG2755 | 08/13/2022 00:15 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 19.1 | ug/kg dry | 1 | 17.2 | 17.2 | BFG2755 | 08/13/2022 00:15 | KRB |
| SW-8270 | Phenol, Total | A | 648V | ug/kg dry | 1 | 34.4 | 34.4 | BFG2755 | 08/13/2022 00:15 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *37.9% S* | *60-140* | | | | | *08/13/2022 00:15* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *103%* | *60-140* | | | | | *08/13/2022 00:15* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *77.0%* | *60-140* | | | | | *08/13/2022 00:15* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *106%* | *60-140* | | | | | *08/13/2022 00:15* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *125%* | *60-140* | | | | | *08/13/2022 00:15* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *22.1% S* | *60-140* | | | | | *08/13/2022 00:15* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.258U | mg/kg dry | 1 | 0.258 | 3.20 | BFH1110 | 08/15/2022 11:41 | TBB |
| EPA 200.8 | Arsenic | N | 22.7 | mg/kg dry | 1 | 0.394 | 1.60 | BFH1110 | 08/16/2022 11:16 | TBB |
| EPA 200.8 | Beryllium | N | <0.0320U | mg/kg dry | 1 | 0.0320 | 0.640 | BFH1110 | 08/23/2022 16:15 | TBB |
| EPA 200.8 | Cadmium | N | 0.346J | mg/kg dry | 1 | 0.101 | 3.20 | BFH1110 | 08/15/2022 11:41 | TBB |
| EPA 200.8 | Chromium | N | 0.736J | mg/kg dry | 1 | 0.235 | 9.60 | BFH1110 | 08/15/2022 11:41 | TBB |
| EPA 200.8 | Copper | N | 10.9 | mg/kg dry | 1 | 0.278 | 3.20 | BFH1110 | 08/15/2022 11:41 | TBB |
| Calc | Chromium (III) | | <15.0U | mg/kg (dry wt) dry | 1 | 15.0 | 51.4 | [CALC] | 08/15/2022 11:41 | EM |
| SW-7196 | Chromium (VI) | N | <14.8U | mg/kg (dry wt) dry | 1 | 14.8 | 41.8 | BFG2440 | 07/22/2022 17:23 | EM |
| SW-7471B | Mercury | A | 0.0423J | mg/kg dry | 1 | 0.0339 | 0.0677 | BFH0643 | 08/04/2022 17:29 | EM |
| EPA 200.8 | Lead | N | 0.732J | mg/kg dry | 1 | 0.242 | 1.60 | BFH1110 | 08/15/2022 11:41 | TBB |
| EPA 200.8 | Nickel | N | 1.52J | mg/kg dry | 1 | 0.0566 | 3.20 | BFH1110 | 08/15/2022 11:41 | TBB |
| EPA 200.8 | Selenium | N | <3.52U | mg/kg dry | 1 | 3.52 | 16.0 | BFH1110 | 08/23/2022 16:15 | TBB |
| EPA 200.8 | Silver | N | 0.151J | mg/kg dry | 1 | 0.0227 | 1.60 | BFH1110 | 08/15/2022 11:41 | TBB |
| EPA 200.8 | Thallium | N | <0.0221U | mg/kg dry | 1 | 0.0221 | 1.60 | BFH1110 | 08/15/2022 11:41 | TBB |
| EPA 200.8 | Zinc | N | 164 | mg/kg dry | 2 | 2.40 | 12.8 | BFH1110 | 08/16/2022 12:09 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.8 | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 5-2
Lab Sample ID: 22F4225-70
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <18.3B, U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2755 | 08/13/2022 00:50 | KRB |
| SW-8270 | Phenol, Total | A | 741V | ug/kg dry | 1 | 36.5 | 36.5 | BFG2755 | 08/13/2022 00:50 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *73.1%* | *60-140* | | | | | *08/13/2022 00:50* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *125%* | *60-140* | | | | | *08/13/2022 00:50* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *124%* | *60-140* | | | | | *08/13/2022 00:50* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.296U | mg/kg dry | 1 | 0.296 | 3.68 | BFH1110 | 08/15/2022 11:43 | TBB |
| EPA 200.8 | Arsenic | N | 23.3 | mg/kg dry | 1 | 0.453 | 1.84 | BFH1110 | 08/16/2022 11:18 | TBB |
| EPA 200.8 | Beryllium | N | <0.0368U | mg/kg dry | 1 | 0.0368 | 0.736 | BFH1110 | 08/23/2022 16:18 | TBB |
| EPA 200.8 | Cadmium | N | 0.348J | mg/kg dry | 1 | 0.116 | 3.68 | BFH1110 | 08/15/2022 11:43 | TBB |
| EPA 200.8 | Chromium | N | 0.807J | mg/kg dry | 1 | 0.271 | 11.0 | BFH1110 | 08/15/2022 11:43 | TBB |
| EPA 200.8 | Copper | N | 8.77 | mg/kg dry | 1 | 0.320 | 3.68 | BFH1110 | 08/15/2022 11:43 | TBB |
| Calc | Chromium (III) | | <14.9U | mg/kg (dry wt) dry | 1 | 14.9 | 52.3 | [CALC] | 08/15/2022 11:43 | EM |
| SW-7196 | Chromium (VI) | N | <14.6U | mg/kg (dry wt) dry | 1 | 14.6 | 41.3 | BFG2440 | 07/22/2022 17:26 | EM |
| SW-7471B | Mercury | A | 0.0587J | mg/kg dry | 1 | 0.0351 | 0.0703 | BFH0373 | 08/03/2022 17:21 | EM |
| EPA 200.8 | Lead | N | 0.599J | mg/kg dry | 1 | 0.278 | 1.84 | BFH1110 | 08/15/2022 11:43 | TBB |
| EPA 200.8 | Nickel | N | 1.52J | mg/kg dry | 1 | 0.0651 | 3.68 | BFH1110 | 08/15/2022 11:43 | TBB |
| EPA 200.8 | Selenium | N | <4.05U | mg/kg dry | 1 | 4.05 | 18.4 | BFH1110 | 08/23/2022 16:18 | TBB |
| EPA 200.8 | Silver | N | 0.114J | mg/kg dry | 1 | 0.0261 | 1.84 | BFH1110 | 08/15/2022 11:43 | TBB |
| EPA 200.8 | Thallium | N | <0.0254U | mg/kg dry | 1 | 0.0254 | 1.84 | BFH1110 | 08/15/2022 11:43 | TBB |
| EPA 200.8 | Zinc | N | 79.7 | mg/kg dry | 1 | 1.38 | 7.36 | BFH1110 | 08/16/2022 11:18 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.8 | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 5-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-70RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <36.5 | U | ug/kg dry | 1 | 36.5 | 36.5 | BFG2755 | 08/17/2022 09:10 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2755 | 08/17/2022 09:10 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *29.1%* | *S* | *60-140* | | | | | *08/17/2022 09:10* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *76.0%* | | *60-140* | | | | | *08/17/2022 09:10* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *36.1%* | *S* | *60-140* | | | | | *08/17/2022 09:10* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 5-3
Lab Sample ID: 22F4225-71
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <33.6 | U | ug/kg dry | 1 | 33.6 | 33.6 | BFG2755 | 08/13/2022 01:24 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <16.8 | B, U | ug/kg dry | 1 | 16.8 | 16.8 | BFG2755 | 08/13/2022 01:24 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 32.7 | | ug/kg dry | 1 | 16.8 | 16.8 | BFG2755 | 08/13/2022 01:24 | KRB |
| SW-8270 | Phenol, Total | A | 726 | V | ug/kg dry | 1 | 33.6 | 33.6 | BFG2755 | 08/13/2022 01:24 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *29.6%* | *S* | *60-140* | | | | | *08/13/2022 01:24* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *107%* | | *60-140* | | | | | *08/13/2022 01:24* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *67.8%* | | *60-140* | | | | | *08/13/2022 01:24* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *151%* | *S* | *60-140* | | | | | *08/13/2022 01:24* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *127%* | | *60-140* | | | | | *08/13/2022 01:24* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *23.8%* | *S* | *60-140* | | | | | *08/13/2022 01:24* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.291 | U | mg/kg dry | 1 | 0.291 | 3.61 | BFH1110 | 08/15/2022 11:45 | TBB |
| EPA 200.8 | Arsenic | N | 23.5 | | mg/kg dry | 1 | 0.444 | 1.80 | BFH1110 | 08/16/2022 11:27 | TBB |
| EPA 200.8 | Beryllium | N | <0.0361 | U | mg/kg dry | 1 | 0.0361 | 0.722 | BFH1110 | 08/23/2022 16:20 | TBB |
| EPA 200.8 | Cadmium | N | 0.309 | J | mg/kg dry | 1 | 0.114 | 3.61 | BFH1110 | 08/15/2022 11:45 | TBB |
| EPA 200.8 | Chromium | N | 0.751 | J | mg/kg dry | 1 | 0.265 | 10.8 | BFH1110 | 08/15/2022 11:45 | TBB |
| EPA 200.8 | Copper | N | 9.27 | | mg/kg dry | 1 | 0.314 | 3.61 | BFH1110 | 08/15/2022 11:45 | TBB |
| Calc | Chromium (III) | | <15.4 | U | mg/kg (dry wt) dry | 1 | 15.4 | 53.5 | [CALC] | 08/15/2022 11:45 | EM |
| SW-7196 | Chromium (VI) | N | <15.1 | U | mg/kg (dry wt) dry | 1 | 15.1 | 42.7 | BFG2440 | 07/22/2022 17:28 | EM |
| SW-7471B | Mercury | A | 0.0384 | J | mg/kg dry | 1 | 0.0355 | 0.0711 | BFH0373 | 08/03/2022 17:24 | EM |
| EPA 200.8 | Lead | N | 0.691 | J | mg/kg dry | 1 | 0.272 | 1.80 | BFH1110 | 08/15/2022 11:45 | TBB |
| EPA 200.8 | Nickel | N | 1.49 | J | mg/kg dry | 1 | 0.0639 | 3.61 | BFH1110 | 08/15/2022 11:45 | TBB |
| EPA 200.8 | Selenium | N | <3.97 | U | mg/kg dry | 1 | 3.97 | 18.0 | BFH1110 | 08/23/2022 16:20 | TBB |
| EPA 200.8 | Silver | N | 0.249 | J | mg/kg dry | 1 | 0.0256 | 1.80 | BFH1110 | 08/15/2022 11:45 | TBB |
| EPA 200.8 | Thallium | N | <0.0249 | U | mg/kg dry | 1 | 0.0249 | 1.80 | BFH1110 | 08/15/2022 11:45 | TBB |
| EPA 200.8 | Zinc | N | 532 | | mg/kg dry | 5 | 6.78 | 36.1 | BFH1110 | 08/16/2022 12:11 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.8 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 5-4
Lab Sample ID: 22F4225-72
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <33.0 | U | ug/kg dry | 1 | 33.0 | 33.0 | BFG2755 | 08/13/2022 01:58 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <16.5 | B, U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2755 | 08/13/2022 01:58 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 19.6 | | ug/kg dry | 1 | 16.5 | 16.5 | BFG2755 | 08/13/2022 01:58 | KRB |
| SW-8270 | Phenol, Total | A | 571 | V | ug/kg dry | 1 | 33.0 | 33.0 | BFG2755 | 08/13/2022 01:58 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *38.7%* | *S* | *60-140* | | | | | *08/13/2022 01:58* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *103%* | | *60-140* | | | | | *08/13/2022 01:58* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *64.5%* | | *60-140* | | | | | *08/13/2022 01:58* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *146%* | *S* | *60-140* | | | | | *08/13/2022 01:58* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *117%* | | *60-140* | | | | | *08/13/2022 01:58* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *18.1%* | *S* | *60-140* | | | | | *08/13/2022 01:58* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.247 | U | mg/kg dry | 1 | 0.247 | 3.07 | BFH1110 | 08/15/2022 11:48 | TBB |
| EPA 200.8 | Arsenic | N | 22.3 | | mg/kg dry | 1 | 0.377 | 1.53 | BFH1110 | 08/16/2022 11:30 | TBB |
| EPA 200.8 | Beryllium | N | <0.0307 | U | mg/kg dry | 1 | 0.0307 | 0.613 | BFH1110 | 08/23/2022 16:23 | TBB |
| EPA 200.8 | Cadmium | N | 0.341 | J | mg/kg dry | 1 | 0.0969 | 3.07 | BFH1110 | 08/15/2022 11:48 | TBB |
| EPA 200.8 | Chromium | N | 0.783 | J | mg/kg dry | 1 | 0.225 | 9.20 | BFH1110 | 08/15/2022 11:48 | TBB |
| EPA 200.8 | Copper | N | 9.17 | | mg/kg dry | 1 | 0.267 | 3.07 | BFH1110 | 08/15/2022 11:48 | TBB |
| Calc | Chromium (III) | | <14.3 | U | mg/kg (dry wt) dry | 1 | 14.3 | 48.9 | [CALC] | 08/15/2022 11:48 | EM |
| SW-7196 | Chromium (VI) | N | <14.1 | U | mg/kg (dry wt) dry | 1 | 14.1 | 39.7 | BFG2440 | 07/22/2022 17:39 | EM |
| SW-7471B | Mercury | A | 0.0563 | J | mg/kg dry | 1 | 0.0315 | 0.0630 | BFH0373 | 08/03/2022 17:27 | EM |
| EPA 200.8 | Lead | N | 0.586 | J | mg/kg dry | 1 | 0.231 | 1.53 | BFH1110 | 08/15/2022 11:48 | TBB |
| EPA 200.8 | Nickel | N | 1.37 | J | mg/kg dry | 1 | 0.0543 | 3.07 | BFH1110 | 08/15/2022 11:48 | TBB |
| EPA 200.8 | Selenium | N | <3.37 | U | mg/kg dry | 1 | 3.37 | 15.3 | BFH1110 | 08/23/2022 16:23 | TBB |
| EPA 200.8 | Silver | N | 0.132 | J | mg/kg dry | 1 | 0.0218 | 1.53 | BFH1110 | 08/15/2022 11:48 | TBB |
| EPA 200.8 | Thallium | N | <0.0212 | U | mg/kg dry | 1 | 0.0212 | 1.53 | BFH1110 | 08/15/2022 11:48 | TBB |
| EPA 200.8 | Zinc | N | 174 | | mg/kg dry | 5 | 5.76 | 30.7 | BFH1110 | 08/16/2022 12:14 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.5 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 5-5
Lab Sample ID: 22F4225-73
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <36.0 | U | ug/kg dry | 1 | 36.0 | 36.0 | BFG2755 | 08/13/2022 03:07 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <18.0 | B, U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2755 | 08/13/2022 03:07 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 42.5 | | ug/kg dry | 1 | 18.0 | 18.0 | BFG2755 | 08/13/2022 03:07 | KRB |
| SW-8270 | Phenol, Total | A | 657 | V | ug/kg dry | 1 | 36.0 | 36.0 | BFG2755 | 08/13/2022 03:07 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *35.2%* | *S* | *60-140* | | | | | *08/13/2022 03:07* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *116%* | | *60-140* | | | | | *08/13/2022 03:07* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *71.1%* | | *60-140* | | | | | *08/13/2022 03:07* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *160%* | *S* | *60-140* | | | | | *08/13/2022 03:07* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *102%* | | *60-140* | | | | | *08/13/2022 03:07* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *19.9%* | *S* | *60-140* | | | | | *08/13/2022 03:07* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.257 | U | mg/kg dry | 1 | 0.257 | 3.20 | BFH1110 | 08/15/2022 11:57 | TBB |
| EPA 200.8 | Arsenic | N | 22.0 | | mg/kg dry | 1 | 0.393 | 1.60 | BFH1110 | 08/16/2022 11:39 | TBB |
| EPA 200.8 | Beryllium | N | <0.0320 | U | mg/kg dry | 1 | 0.0320 | 0.639 | BFH1110 | 08/23/2022 16:33 | TBB |
| EPA 200.8 | Cadmium | N | 0.325 | J | mg/kg dry | 1 | 0.101 | 3.20 | BFH1110 | 08/15/2022 11:57 | TBB |
| EPA 200.8 | Chromium | N | 0.878 | J | mg/kg dry | 1 | 0.235 | 9.59 | BFH1110 | 08/15/2022 11:57 | TBB |
| EPA 200.8 | Copper | N | 8.18 | | mg/kg dry | 1 | 0.278 | 3.20 | BFH1110 | 08/15/2022 11:57 | TBB |
| Calc | Chromium (III) | | <14.2 | U | mg/kg (dry wt) dry | 1 | 14.2 | 49.1 | [CALC] | 08/15/2022 11:57 | EM |
| SW-7196 | Chromium (VI) | N | <14.0 | U | mg/kg (dry wt) dry | 1 | 14.0 | 39.6 | BFG2440 | 07/22/2022 17:33 | EM |
| SW-7471B | Mercury | A | 0.0462 | J | mg/kg dry | 1 | 0.0329 | 0.0658 | BFH0373 | 08/03/2022 17:31 | EM |
| EPA 200.8 | Lead | N | 0.768 | J | mg/kg dry | 1 | 0.241 | 1.60 | BFH1110 | 08/15/2022 11:57 | TBB |
| EPA 200.8 | Nickel | N | 1.49 | J | mg/kg dry | 1 | 0.0566 | 3.20 | BFH1110 | 08/15/2022 11:57 | TBB |
| EPA 200.8 | Selenium | N | <3.52 | U | mg/kg dry | 1 | 3.52 | 16.0 | BFH1110 | 08/23/2022 16:33 | TBB |
| EPA 200.8 | Silver | N | 0.119 | J | mg/kg dry | 1 | 0.0227 | 1.60 | BFH1110 | 08/15/2022 11:57 | TBB |
| EPA 200.8 | Thallium | N | <0.0221 | U | mg/kg dry | 1 | 0.0221 | 1.60 | BFH1110 | 08/15/2022 11:57 | TBB |
| EPA 200.8 | Zinc | N | 324 | | mg/kg dry | 5 | 6.00 | 32.0 | BFH1110 | 08/16/2022 12:18 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.2 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 6-1
Lab Sample ID: 22F4225-74
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <32.2 | U | ug/kg dry | 1 | 32.2 | 32.2 | BFG2755 | 08/13/2022 03:41 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <16.1 | B, U | ug/kg dry | 1 | 16.1 | 16.1 | BFG2755 | 08/13/2022 03:41 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 40.8 | | ug/kg dry | 1 | 16.1 | 16.1 | BFG2755 | 08/13/2022 03:41 | KRB |
| SW-8270 | Phenol, Total | A | 840 | V | ug/kg dry | 1 | 32.2 | 32.2 | BFG2755 | 08/13/2022 03:41 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *27.0%* | *S* | *60-140* | | | | | *08/13/2022 03:41* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *101%* | | *60-140* | | | | | *08/13/2022 03:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *77.1%* | | *60-140* | | | | | *08/13/2022 03:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *140%* | | *60-140* | | | | | *08/13/2022 03:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *141%* | *S* | *60-140* | | | | | *08/13/2022 03:41* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *19.9%* | *S* | *60-140* | | | | | *08/13/2022 03:41* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.255 | U | mg/kg dry | 1 | 0.255 | 3.17 | BFH1110 | 08/15/2022 12:06 | TBB |
| EPA 200.8 | Arsenic | N | 23.9 | | mg/kg dry | 1 | 0.390 | 1.58 | BFH1110 | 08/16/2022 11:41 | TBB |
| EPA 200.8 | Beryllium | N | <0.0317 | U | mg/kg dry | 1 | 0.0317 | 0.634 | BFH1110 | 08/23/2022 17:58 | TBB |
| EPA 200.8 | Cadmium | N | 0.349 | J | mg/kg dry | 1 | 0.100 | 3.17 | BFH1110 | 08/15/2022 12:06 | TBB |
| EPA 200.8 | Chromium | N | 0.470 | J | mg/kg dry | 1 | 0.233 | 9.51 | BFH1110 | 08/15/2022 12:06 | TBB |
| EPA 200.8 | Copper | N | 9.98 | | mg/kg dry | 1 | 0.276 | 3.17 | BFH1110 | 08/15/2022 12:06 | TBB |
| Calc | Chromium (III) | | <14.2 | U | mg/kg (dry wt) dry | 1 | 14.2 | 49.0 | [CALC] | 08/15/2022 12:06 | EM |
| SW-7196 | Chromium (VI) | N | 18.8 | J | mg/kg (dry wt) dry | 1 | 14.0 | 39.5 | BFG2213 | 07/18/2022 18:03 | EM |
| SW-7471B | Mercury | A | 0.0674 | J | mg/kg dry | 1 | 0.0347 | 0.0693 | BFH0373 | 08/03/2022 17:34 | EM |
| EPA 200.8 | Lead | N | 0.564 | J | mg/kg dry | 1 | 0.239 | 1.58 | BFH1110 | 08/16/2022 11:41 | TBB |
| EPA 200.8 | Nickel | N | 1.48 | J | mg/kg dry | 1 | 0.0561 | 3.17 | BFH1110 | 08/15/2022 12:06 | TBB |
| EPA 200.8 | Selenium | N | <3.49 | U | mg/kg dry | 1 | 3.49 | 15.8 | BFH1110 | 08/23/2022 17:58 | TBB |
| EPA 200.8 | Silver | N | 0.144 | J | mg/kg dry | 1 | 0.0225 | 1.58 | BFH1110 | 08/15/2022 12:06 | TBB |
| EPA 200.8 | Thallium | N | <0.0219 | U | mg/kg dry | 1 | 0.0219 | 1.58 | BFH1110 | 08/16/2022 11:41 | TBB |
| EPA 200.8 | Zinc | N | 82.8 | | mg/kg dry | 1 | 1.19 | 6.34 | BFH1110 | 08/16/2022 11:41 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.5 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 6-2
Lab Sample ID: 22F4225-75
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <33.7 | U | ug/kg dry | 1 | 33.7 | 33.7 | BFG2755 | 08/13/2022 04:15 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <16.8 | B, U | ug/kg dry | 1 | 16.8 | 16.8 | BFG2755 | 08/13/2022 04:15 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <16.8 | U | ug/kg dry | 1 | 16.8 | 16.8 | BFG2755 | 08/13/2022 04:15 | KRB |
| SW-8270 | Phenol, Total | A | 661 | V | ug/kg dry | 1 | 33.7 | 33.7 | BFG2755 | 08/13/2022 04:15 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *38.3%* | *S* | *60-140* | | | | | *08/13/2022 04:15* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *145%* | *S* | *60-140* | | | | | *08/13/2022 04:15* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *89.7%* | | *60-140* | | | | | *08/13/2022 04:15* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *137%* | | *60-140* | | | | | *08/13/2022 04:15* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *134%* | | *60-140* | | | | | *08/13/2022 04:15* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.262 | U | mg/kg dry | 1 | 0.262 | 3.25 | BFH1110 | 08/15/2022 12:09 | TBB |
| EPA 200.8 | Arsenic | N | 23.2 | | mg/kg dry | 1 | 0.400 | 1.63 | BFH1110 | 08/16/2022 11:43 | TBB |
| EPA 200.8 | Beryllium | N | <0.0325 | U | mg/kg dry | 1 | 0.0325 | 0.651 | BFH1110 | 08/23/2022 18:01 | TBB |
| EPA 200.8 | Cadmium | N | 0.385 | J | mg/kg dry | 1 | 0.103 | 3.25 | BFH1110 | 08/15/2022 12:09 | TBB |
| EPA 200.8 | Chromium | N | 1.96 | J | mg/kg dry | 1 | 0.239 | 9.76 | BFH1110 | 08/15/2022 12:09 | TBB |
| EPA 200.8 | Copper | N | 8.80 | | mg/kg dry | 1 | 0.283 | 3.25 | BFH1110 | 08/15/2022 12:09 | TBB |
| Calc | Chromium (III) | | <14.6 | U | mg/kg (dry wt) dry | 1 | 14.6 | 50.4 | [CALC] | 08/15/2022 12:09 | EM |
| SW-7196 | Chromium (VI) | N | <14.4 | U | mg/kg (dry wt) dry | 1 | 14.4 | 40.6 | BFG2213 | 07/18/2022 18:04 | EM |
| SW-7471B | Mercury | A | <0.0351 | U | mg/kg dry | 1 | 0.0351 | 0.0701 | BFH0373 | 08/03/2022 17:37 | EM |
| EPA 200.8 | Lead | N | 0.651 | J | mg/kg dry | 1 | 0.246 | 1.63 | BFH1110 | 08/16/2022 11:43 | TBB |
| EPA 200.8 | Nickel | N | 2.36 | J | mg/kg dry | 1 | 0.0576 | 3.25 | BFH1110 | 08/15/2022 12:09 | TBB |
| EPA 200.8 | Selenium | N | <3.58 | U | mg/kg dry | 1 | 3.58 | 16.3 | BFH1110 | 08/23/2022 18:01 | TBB |
| EPA 200.8 | Silver | N | 0.117 | J | mg/kg dry | 1 | 0.0231 | 1.63 | BFH1110 | 08/15/2022 12:09 | TBB |
| EPA 200.8 | Thallium | N | <0.0225 | U | mg/kg dry | 1 | 0.0225 | 1.63 | BFH1110 | 08/16/2022 11:43 | TBB |
| EPA 200.8 | Zinc | N | 75.2 | | mg/kg dry | 1 | 1.22 | 6.51 | BFH1110 | 08/16/2022 11:43 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.3 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 6-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-75RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *29.1%* | *S* | *60-140* | | | | | *08/17/2022 09:44* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 6-3
Lab Sample ID: 22F4225-76
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <34.9 | U | ug/kg dry | 1 | 34.9 | 34.9 | BFG2755 | 08/13/2022 04:49 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <17.5 | B, U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2755 | 08/13/2022 04:49 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 59.7 | | ug/kg dry | 1 | 17.5 | 17.5 | BFG2755 | 08/13/2022 04:49 | KRB |
| SW-8270 | Phenol, Total | A | 675 | V | ug/kg dry | 1 | 34.9 | 34.9 | BFG2755 | 08/13/2022 04:49 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *27.2%* | *S* | *60-140* | | | | | *08/13/2022 04:49* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *102%* | | *60-140* | | | | | *08/13/2022 04:49* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *72.5%* | | *60-140* | | | | | *08/13/2022 04:49* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *142%* | *S* | *60-140* | | | | | *08/13/2022 04:49* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *145%* | *S* | *60-140* | | | | | *08/13/2022 04:49* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *19.7%* | *S* | *60-140* | | | | | *08/13/2022 04:49* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.265 | U | mg/kg dry | 1 | 0.265 | 3.30 | BFH1110 | 08/15/2022 12:11 | TBB |
| EPA 200.8 | Arsenic | N | 23.6 | | mg/kg dry | 1 | 0.405 | 1.65 | BFH1110 | 08/16/2022 11:46 | TBB |
| EPA 200.8 | Beryllium | N | <0.0330 | U | mg/kg dry | 1 | 0.0330 | 0.659 | BFH1110 | 08/23/2022 18:03 | TBB |
| EPA 200.8 | Cadmium | N | 0.396 | J | mg/kg dry | 1 | 0.104 | 3.30 | BFH1110 | 08/15/2022 12:11 | TBB |
| EPA 200.8 | Chromium | N | 1.10 | J | mg/kg dry | 1 | 0.242 | 9.89 | BFH1110 | 08/15/2022 12:11 | TBB |
| EPA 200.8 | Copper | N | 8.41 | | mg/kg dry | 1 | 0.287 | 3.30 | BFH1110 | 08/15/2022 12:11 | TBB |
| Calc | Chromium (III) | | <13.8 | U | mg/kg (dry wt) dry | 1 | 13.8 | 48.2 | [CALC] | 08/15/2022 12:11 | EM |
| SW-7196 | Chromium (VI) | N | 20.0 | J | mg/kg (dry wt) dry | 1 | 13.6 | 38.3 | BFG2213 | 07/18/2022 18:05 | EM |
| SW-7471B | Mercury | A | <0.0350 | U | mg/kg dry | 1 | 0.0350 | 0.0700 | BFH0373 | 08/03/2022 17:47 | EM |
| EPA 200.8 | Lead | N | 0.674 | J | mg/kg dry | 1 | 0.249 | 1.65 | BFH1110 | 08/16/2022 11:46 | TBB |
| EPA 200.8 | Nickel | N | 2.14 | J | mg/kg dry | 1 | 0.0583 | 3.30 | BFH1110 | 08/15/2022 12:11 | TBB |
| EPA 200.8 | Selenium | N | <3.63 | U | mg/kg dry | 1 | 3.63 | 16.5 | BFH1110 | 08/23/2022 18:03 | TBB |
| EPA 200.8 | Silver | N | 0.119 | J | mg/kg dry | 1 | 0.0234 | 1.65 | BFH1110 | 08/15/2022 12:11 | TBB |
| EPA 200.8 | Thallium | N | <0.0227 | U | mg/kg dry | 1 | 0.0227 | 1.65 | BFH1110 | 08/16/2022 11:46 | TBB |
| EPA 200.8 | Zinc | N | 157 | | mg/kg dry | 5 | 6.19 | 33.0 | BFH1110 | 08/16/2022 12:28 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.1 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 6-4
Lab Sample ID: 22F4225-77
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <33.6 | U | ug/kg dry | 1 | 33.6 | 33.6 | BFG2755 | 08/13/2022 05:24 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <16.8 | B, U | ug/kg dry | 1 | 16.8 | 16.8 | BFG2755 | 08/13/2022 05:24 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 32.5 | | ug/kg dry | 1 | 16.8 | 16.8 | BFG2755 | 08/13/2022 05:24 | KRB |
| SW-8270 | Phenol, Total | A | 862 | V | ug/kg dry | 1 | 33.6 | 33.6 | BFG2755 | 08/13/2022 05:24 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *28.4%* | *S* | *60-140* | | | | | *08/13/2022 05:24* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *121%* | | *60-140* | | | | | *08/13/2022 05:24* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *78.2%* | | *60-140* | | | | | *08/13/2022 05:24* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *171%* | *S* | *60-140* | | | | | *08/13/2022 05:24* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *158%* | *S* | *60-140* | | | | | *08/13/2022 05:24* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *18.6%* | *S* | *60-140* | | | | | *08/13/2022 05:24* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.266 | U | mg/kg dry | 1 | 0.266 | 3.31 | BFH1110 | 08/16/2022 11:48 | TBB |
| EPA 200.8 | Arsenic | N | 24.8 | | mg/kg dry | 1 | 0.407 | 1.65 | BFH1110 | 08/16/2022 11:48 | TBB |
| EPA 200.8 | Beryllium | N | <0.0331 | U | mg/kg dry | 1 | 0.0331 | 0.662 | BFH1110 | 08/23/2022 18:06 | TBB |
| EPA 200.8 | Cadmium | N | 0.458 | J | mg/kg dry | 1 | 0.105 | 3.31 | BFH1110 | 08/16/2022 11:48 | TBB |
| EPA 200.8 | Chromium | N | 0.652 | J | mg/kg dry | 1 | 0.243 | 9.93 | BFH1110 | 08/15/2022 12:13 | TBB |
| EPA 200.8 | Copper | N | 8.30 | | mg/kg dry | 1 | 0.288 | 3.31 | BFH1110 | 08/15/2022 12:13 | TBB |
| Calc | Chromium (III) | | <14.7 | U | mg/kg (dry wt) dry | 1 | 14.7 | 50.8 | [CALC] | 08/15/2022 12:13 | EM |
| SW-7196 | Chromium (VI) | N | <14.5 | U | mg/kg (dry wt) dry | 1 | 14.5 | 40.9 | BFG2213 | 07/18/2022 18:06 | EM |
| SW-7471B | Mercury | A | <0.0356 | U | mg/kg dry | 1 | 0.0356 | 0.0713 | BFH0373 | 08/03/2022 17:51 | EM |
| EPA 200.8 | Lead | N | 0.767 | J | mg/kg dry | 1 | 0.250 | 1.65 | BFH1110 | 08/16/2022 11:48 | TBB |
| EPA 200.8 | Nickel | N | 1.68 | J | mg/kg dry | 1 | 0.0586 | 3.31 | BFH1110 | 08/15/2022 12:13 | TBB |
| EPA 200.8 | Selenium | N | <3.64 | U | mg/kg dry | 1 | 3.64 | 16.5 | BFH1110 | 08/23/2022 18:06 | TBB |
| EPA 200.8 | Silver | N | 0.169 | J | mg/kg dry | 1 | 0.0235 | 1.65 | BFH1110 | 08/16/2022 11:48 | TBB |
| EPA 200.8 | Thallium | N | <0.0228 | U | mg/kg dry | 1 | 0.0228 | 1.65 | BFH1110 | 08/16/2022 11:48 | TBB |
| EPA 200.8 | Zinc | N | 207 | | mg/kg dry | 5 | 6.21 | 33.1 | BFH1110 | 08/16/2022 12:30 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.9 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 6-5
Lab Sample ID: 22F4225-78
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <38.6 | U | ug/kg dry | 1 | 38.6 | 38.6 | BFG2755 | 08/13/2022 05:58 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <19.3 | B, U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2755 | 08/13/2022 05:58 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 62.4 | | ug/kg dry | 1 | 19.3 | 19.3 | BFG2755 | 08/13/2022 05:58 | KRB |
| SW-8270 | Phenol, Total | A | 962 | V | ug/kg dry | 1 | 38.6 | 38.6 | BFG2755 | 08/13/2022 05:58 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *11.2%* | *S* | *60-140* | | | | | *08/13/2022 05:58* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *63.3%* | | *60-140* | | | | | *08/13/2022 05:58* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *98.5%* | | *60-140* | | | | | *08/13/2022 05:58* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *122%* | | *60-140* | | | | | *08/13/2022 05:58* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *130%* | | *60-140* | | | | | *08/13/2022 05:58* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *22.5%* | *S* | *60-140* | | | | | *08/13/2022 05:58* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.295 | U | mg/kg dry | 1 | 0.295 | 3.66 | BFH1110 | 08/15/2022 12:16 | TBB |
| EPA 200.8 | Arsenic | N | 25.6 | | mg/kg dry | 1 | 0.450 | 1.83 | BFH1110 | 08/16/2022 11:57 | TBB |
| EPA 200.8 | Beryllium | N | <0.0366 | U | mg/kg dry | 1 | 0.0366 | 0.732 | BFH1110 | 08/23/2022 18:08 | TBB |
| EPA 200.8 | Cadmium | N | 0.434 | J | mg/kg dry | 1 | 0.116 | 3.66 | BFH1110 | 08/15/2022 12:16 | TBB |
| EPA 200.8 | Chromium | N | 0.876 | J | mg/kg dry | 1 | 0.269 | 11.0 | BFH1110 | 08/15/2022 12:16 | TBB |
| EPA 200.8 | Copper | N | 9.10 | | mg/kg dry | 1 | 0.319 | 3.66 | BFH1110 | 08/15/2022 12:16 | TBB |
| Calc | Chromium (III) | | <14.1 | U | mg/kg (dry wt) dry | 1 | 14.1 | 50.0 | [CALC] | 08/15/2022 12:16 | EM |
| SW-7196 | Chromium (VI) | N | 25.0 | J | mg/kg (dry wt) dry | 1 | 13.8 | 39.1 | BFG2213 | 07/18/2022 18:08 | EM |
| SW-7471B | Mercury | A | 0.0706 | | mg/kg dry | 1 | 0.0317 | 0.0633 | BFH0373 | 08/03/2022 17:54 | EM |
| EPA 200.8 | Lead | N | 0.970 | J | mg/kg dry | 1 | 0.276 | 1.83 | BFH1110 | 08/16/2022 11:57 | TBB |
| EPA 200.8 | Nickel | N | 2.16 | J | mg/kg dry | 1 | 0.0648 | 3.66 | BFH1110 | 08/15/2022 12:16 | TBB |
| EPA 200.8 | Selenium | N | <4.03 | U | mg/kg dry | 1 | 4.03 | 18.3 | BFH1110 | 08/23/2022 18:08 | TBB |
| EPA 200.8 | Silver | N | 0.190 | J | mg/kg dry | 1 | 0.0260 | 1.83 | BFH1110 | 08/15/2022 12:16 | TBB |
| EPA 200.8 | Thallium | N | <0.0253 | U | mg/kg dry | 1 | 0.0253 | 1.83 | BFH1110 | 08/16/2022 11:57 | TBB |
| EPA 200.8 | Zinc | N | 96.7 | | mg/kg dry | 1 | 1.37 | 7.32 | BFH1110 | 08/16/2022 11:57 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.8 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-1
Lab Sample ID: 22F4225-79
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <17.7U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/16/2022 12:54 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <17.7U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/16/2022 12:54 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <17.7U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/16/2022 12:54 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <17.7U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/16/2022 12:54 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 144V | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/16/2022 12:54 | KRB |
| SW-8270 | Fluoranthene | A | <17.7U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/16/2022 12:54 | KRB |
| SW-8270 | Fluorene | A | <17.7U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/16/2022 12:54 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <17.7U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/16/2022 12:54 | KRB |
| SW-8270 | Naphthalene | A | 23.2 | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/16/2022 12:54 | KRB |
| SW-8270 | Phenol, Total | A | 622V | ug/kg dry | 1 | 35.4 | 35.4 | BFG2349 | 08/16/2022 12:54 | KRB |
| SW-8270 | Pyrene | A | <17.7U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/16/2022 12:54 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *14.9% S* | *60-140* | | | | | *08/16/2022 12:54* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *61.2%* | *60-140* | | | | | *08/16/2022 12:54* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *78.9%* | *60-140* | | | | | *08/16/2022 12:54* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *80.5%* | *60-140* | | | | | *08/16/2022 12:54* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *113%* | *60-140* | | | | | *08/16/2022 12:54* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *15.3% S* | *60-140* | | | | | *08/16/2022 12:54* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <29.7U | ug/kg dry | 1 | 29.7 | 29.7 | BFG2416 | 08/20/2022 01:36 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *124%* | *60-140* | | | | | *08/20/2022 01:36* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *78.3%* | *60-140* | | | | | *08/20/2022 01:36* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.265U | mg/kg dry | 1 | 0.265 | 3.29 | BFH1110 | 08/15/2022 12:18 | TBB |
| EPA 200.8 | Arsenic | N | 23.6 | mg/kg dry | 1 | 0.405 | 1.65 | BFH1110 | 08/16/2022 11:59 | TBB |
| EPA 200.8 | Beryllium | N | <0.0329U | mg/kg dry | 1 | 0.0329 | 0.658 | BFH1110 | 08/23/2022 18:11 | TBB |
| EPA 200.8 | Cadmium | N | 0.314J | mg/kg dry | 1 | 0.104 | 3.29 | BFH1110 | 08/15/2022 12:18 | TBB |
| EPA 200.8 | Chromium | N | 0.670J | mg/kg dry | 1 | 0.242 | 9.87 | BFH1110 | 08/15/2022 12:18 | TBB |
| EPA 200.8 | Copper | N | 12.8 | mg/kg dry | 1 | 0.286 | 3.29 | BFH1110 | 08/15/2022 12:18 | TBB |
| Calc | Chromium (III) | | <14.4U | mg/kg (dry wt) dry | 1 | 14.4 | 50.0 | [CALC] | 08/15/2022 12:18 | EM |
| SW-7196 | Chromium (VI) | N | 22.4J | mg/kg (dry wt) dry | 1 | 14.2 | 40.1 | BFG2213 | 07/18/2022 18:09 | EM |
| SW-7471B | Mercury | A | 0.0775 | mg/kg dry | 1 | 0.0316 | 0.0631 | BFH0373 | 08/03/2022 17:57 | EM |
| EPA 200.8 | Lead | N | 1.05J | mg/kg dry | 1 | 0.248 | 1.65 | BFH1110 | 08/16/2022 11:59 | TBB |
| EPA 200.8 | Nickel | N | 1.27J | mg/kg dry | 1 | 0.0582 | 3.29 | BFH1110 | 08/15/2022 12:18 | TBB |
| EPA 200.8 | Selenium | N | <3.62U | mg/kg dry | 1 | 3.62 | 16.5 | BFH1110 | 08/23/2022 18:11 | TBB |
| EPA 200.8 | Silver | N | 0.261J | mg/kg dry | 1 | 0.0234 | 1.65 | BFH1110 | 08/15/2022 12:18 | TBB |
| EPA 200.8 | Thallium | N | <0.0227U | mg/kg dry | 1 | 0.0227 | 1.65 | BFH1110 | 08/16/2022 11:59 | TBB |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-1 (Continued)
Lab Sample ID: 22F4225-79
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Zinc | N | 75.3 | | mg/kg dry | 1 | 1.24 | 6.58 | BFH1110 | 08/16/2022 11:59 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.9 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-1
Lab Sample ID: 22F4225-79RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <35.4 | U | ug/kg dry | 1 | 35.4 | 35.4 | BFG2349 | 08/18/2022 09:58 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <17.7 | U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/18/2022 09:58 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <35.4 | U | ug/kg dry | 1 | 35.4 | 35.4 | BFG2349 | 08/18/2022 09:58 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 18.5 | V | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/18/2022 09:58 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <17.7 | U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/18/2022 09:58 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *13.4%* | *S* | *60-140* | | | | | *08/18/2022 09:58* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *56.4%* | *S* | *60-140* | | | | | *08/18/2022 09:58* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *69.8%* | | *60-140* | | | | | *08/18/2022 09:58* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *73.8%* | | *60-140* | | | | | *08/18/2022 09:58* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *90.8%* | | *60-140* | | | | | *08/18/2022 09:58* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *21.1%* | *S* | *60-140* | | | | | *08/18/2022 09:58* | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-1
Lab Sample ID: 22F4225-79RE2
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <17.7 | CQ, U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/04/2022 11:17 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <17.7 | U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/04/2022 11:17 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <17.7 | U | ug/kg dry | 1 | 17.7 | 17.7 | BFG2349 | 08/04/2022 11:17 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *28.1%* | *S* | *60-140* | | | | | *08/04/2022 11:17* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *88.4%* | | *60-140* | | | | | *08/04/2022 11:17* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *133%* | | *60-140* | | | | | *08/04/2022 11:17* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *257%* | *S* | *60-140* | | | | | *08/04/2022 11:17* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *372%* | *S* | *60-140* | | | | | *08/04/2022 11:17* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *37.2%* | *S* | *60-140* | | | | | *08/04/2022 11:17* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-2
Lab Sample ID: 22F4225-80
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/16/2022 13:29 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/16/2022 13:29 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/16/2022 13:29 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/16/2022 13:29 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 147V | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/16/2022 13:29 | KRB |
| SW-8270 | Fluoranthene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/16/2022 13:29 | KRB |
| SW-8270 | Fluorene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/16/2022 13:29 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/16/2022 13:29 | KRB |
| SW-8270 | Naphthalene | A | 25.1 | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/16/2022 13:29 | KRB |
| SW-8270 | Phenol, Total | A | 502V | ug/kg dry | 1 | 35.8 | 35.8 | BFG2349 | 08/16/2022 13:29 | KRB |
| SW-8270 | Pyrene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/16/2022 13:29 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *8.89% S* | *60-140* | | | | | *08/16/2022 13:29* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *63.7%* | *60-140* | | | | | *08/16/2022 13:29* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *73.5%* | *60-140* | | | | | *08/16/2022 13:29* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *87.5%* | *60-140* | | | | | *08/16/2022 13:29* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *88.3%* | *60-140* | | | | | *08/16/2022 13:29* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *19.2% S* | *60-140* | | | | | *08/16/2022 13:29* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <28.3U | ug/kg dry | 1 | 28.3 | 28.3 | BFG2416 | 08/20/2022 01:13 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *115%* | *60-140* | | | | | *08/20/2022 01:13* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *76.0%* | *60-140* | | | | | *08/20/2022 01:13* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.258U | mg/kg dry | 1 | 0.258 | 3.21 | BFH1110 | 08/15/2022 12:20 | TBB |
| EPA 200.8 | Arsenic | N | 23.4 | mg/kg dry | 1 | 0.395 | 1.61 | BFH1110 | 08/16/2022 12:02 | TBB |
| EPA 200.8 | Beryllium | N | <0.0321U | mg/kg dry | 1 | 0.0321 | 0.642 | BFH1110 | 08/23/2022 18:13 | TBB |
| EPA 200.8 | Cadmium | N | 0.280J | mg/kg dry | 1 | 0.101 | 3.21 | BFH1110 | 08/15/2022 12:20 | TBB |
| EPA 200.8 | Chromium | N | 0.460J | mg/kg dry | 1 | 0.236 | 9.63 | BFH1110 | 08/15/2022 12:20 | TBB |
| EPA 200.8 | Copper | N | 9.00 | mg/kg dry | 1 | 0.279 | 3.21 | BFH1110 | 08/15/2022 12:20 | TBB |
| Calc | Chromium (III) | | <14.8U | mg/kg (dry wt) dry | 1 | 14.8 | 50.8 | [CALC] | 08/15/2022 12:20 | EM |
| SW-7196 | Chromium (VI) | N | <14.6U | mg/kg (dry wt) dry | 1 | 14.6 | 41.2 | BFG2213 | 07/18/2022 18:10 | EM |
| SW-7471B | Mercury | A | 0.0364J | mg/kg dry | 1 | 0.0323 | 0.0647 | BFH0373 | 08/03/2022 18:00 | EM |
| EPA 200.8 | Lead | N | 0.793J | mg/kg dry | 1 | 0.242 | 1.61 | BFH1110 | 08/16/2022 12:02 | TBB |
| EPA 200.8 | Nickel | N | 1.19J | mg/kg dry | 1 | 0.0568 | 3.21 | BFH1110 | 08/15/2022 12:20 | TBB |
| EPA 200.8 | Selenium | N | <3.53U | mg/kg dry | 1 | 3.53 | 16.1 | BFH1110 | 08/23/2022 18:13 | TBB |
| EPA 200.8 | Silver | N | 0.189J | mg/kg dry | 1 | 0.0228 | 1.61 | BFH1110 | 08/15/2022 12:20 | TBB |
| EPA 200.8 | Thallium | N | <0.0222U | mg/kg dry | 1 | 0.0222 | 1.61 | BFH1110 | 08/16/2022 12:02 | TBB |

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| | | |
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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-2 (Continued)
Lab Sample ID: 22F4225-80
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| EPA 200.8 | Zinc | N | 177 | | mg/kg dry | 5 | 6.03 | 32.1 | BFH1110 | 08/16/2022 12:32 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.0 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-2
Lab Sample ID: 22F4225-80RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <35.8 | U | ug/kg dry | 1 | 35.8 | 35.8 | BFG2349 | 08/18/2022 10:33 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <17.9 | U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/18/2022 10:33 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <35.8 | U | ug/kg dry | 1 | 35.8 | 35.8 | BFG2349 | 08/18/2022 10:33 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 20.1 | V | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/18/2022 10:33 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <17.9 | U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/18/2022 10:33 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *8.01%* | *S* | *60-140* | | | | | *08/18/2022 10:33* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *62.4%* | | *60-140* | | | | | *08/18/2022 10:33* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *64.0%* | | *60-140* | | | | | *08/18/2022 10:33* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *78.9%* | | *60-140* | | | | | *08/18/2022 10:33* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *96.6%* | | *60-140* | | | | | *08/18/2022 10:33* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *24.3%* | *S* | *60-140* | | | | | *08/18/2022 10:33* | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-2
Lab Sample ID: 22F4225-80RE2
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthylene (Rerun) | A | <17.9 | CQ, U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/04/2022 11:51 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <17.9 | U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/04/2022 11:51 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <17.9 | U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2349 | 08/04/2022 11:51 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *9.88%* | *S* | *60-140* | | | | | *08/04/2022 11:51* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *101%* | | *60-140* | | | | | *08/04/2022 11:51* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *109%* | | *60-140* | | | | | *08/04/2022 11:51* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *380%* | *S* | *60-140* | | | | | *08/04/2022 11:51* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *294%* | *S* | *60-140* | | | | | *08/04/2022 11:51* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *42.8%* | *S* | *60-140* | | | | | *08/04/2022 11:51* | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-3
Lab Sample ID: 22F4225-81
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <38.0U | ug/kg dry | 1 | 38.0 | 38.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Acenaphthene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Acenaphthylene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Anthracene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <38.0U | ug/kg dry | 1 | 38.0 | 38.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <19.0B, U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Chrysene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 20.5V | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Fluoranthene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Fluorene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Naphthalene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Phenanthrene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Phenol, Total | A | 511V | ug/kg dry | 1 | 38.0 | 38.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| SW-8270 | Pyrene | A | <19.0U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/12/2022 08:00 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *11.1% S* | *60-140* | | | | | *08/12/2022 08:00* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *61.8%* | *60-140* | | | | | *08/12/2022 08:00* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *84.3%* | *60-140* | | | | | *08/12/2022 08:00* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *80.6%* | *60-140* | | | | | *08/12/2022 08:00* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *81.0%* | *60-140* | | | | | *08/12/2022 08:00* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *4.88% S* | *60-140* | | | | | *08/12/2022 08:00* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <28.8U | ug/kg dry | 1 | 28.8 | 28.8 | BFG2416 | 08/20/2022 00:49 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *120%* | *60-140* | | | | | *08/20/2022 00:49* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *71.4%* | *60-140* | | | | | *08/20/2022 00:49* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.267U | mg/kg dry | 1 | 0.267 | 3.31 | BFH1110 | 08/15/2022 12:22 | TBB |
| EPA 200.8 | Arsenic | N | 22.6 | mg/kg dry | 1 | 0.408 | 1.66 | BFH1110 | 08/16/2022 12:04 | TBB |
| EPA 200.8 | Beryllium | N | <0.0331U | mg/kg dry | 1 | 0.0331 | 0.663 | BFH1110 | 08/23/2022 18:16 | TBB |
| EPA 200.8 | Cadmium | N | 0.310J | mg/kg dry | 1 | 0.105 | 3.31 | BFH1110 | 08/15/2022 12:22 | TBB |
| EPA 200.8 | Chromium | N | 0.940J | mg/kg dry | 1 | 0.244 | 9.94 | BFH1110 | 08/15/2022 12:22 | TBB |
| EPA 200.8 | Copper | N | 11.1 | mg/kg dry | 1 | 0.288 | 3.31 | BFH1110 | 08/15/2022 12:22 | TBB |
| Calc | Chromium (III) | | <14.5U | mg/kg (dry wt) dry | 1 | 14.5 | 50.1 | [CALC] | 08/15/2022 12:22 | EM |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-3 (Continued)
Lab Sample ID: 22F4225-81
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | |
| SW-7196 | Chromium (VI) | N | <14.2U | mg/kg (dry wt) dry | 1 | 14.2 | 40.2 | BFG2213 | 07/18/2022 18:11 | EM |
| SW-7471B | Mercury | A | 0.0502J | mg/kg dry | 1 | 0.0360 | 0.0720 | BFH0373 | 08/03/2022 18:14 | EM |
| EPA 200.8 | Lead | N | 0.850J | mg/kg dry | 1 | 0.250 | 1.66 | BFH1110 | 08/16/2022 12:04 | TBB |
| EPA 200.8 | Nickel | N | 1.32J | mg/kg dry | 1 | 0.0587 | 3.31 | BFH1110 | 08/15/2022 12:22 | TBB |
| EPA 200.8 | Selenium | N | <3.65U | mg/kg dry | 1 | 3.65 | 16.6 | BFH1110 | 08/23/2022 18:16 | TBB |
| EPA 200.8 | Silver | N | 0.144J | mg/kg dry | 1 | 0.0235 | 1.66 | BFH1110 | 08/15/2022 12:22 | TBB |
| EPA 200.8 | Thallium | N | <0.0229U | mg/kg dry | 1 | 0.0229 | 1.66 | BFH1110 | 08/16/2022 12:04 | TBB |
| EPA 200.8 | Zinc | N | 333 | mg/kg dry | 5 | 6.22 | 33.1 | BFH1110 | 08/16/2022 12:35 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.1 | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 7-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-81RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *10.5%* | *S* | *60-140* | | | | | *08/18/2022 21:53* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *48.1%* | *S* | *60-140* | | | | | *08/18/2022 21:53* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *56.2%* | *S* | *60-140* | | | | | *08/18/2022 21:53* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *77.1%* | | *60-140* | | | | | *08/18/2022 21:53* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *84.9%* | | *60-140* | | | | | *08/18/2022 21:53* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *16.3%* | *S* | *60-140* | | | | | *08/18/2022 21:53* | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-4
Lab Sample ID: 22F4225-82
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <36.0U | ug/kg dry | 1 | 36.0 | 36.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Acenaphthene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Acenaphthylene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Anthracene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <36.0U | ug/kg dry | 1 | 36.0 | 36.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <18.0B, U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Chrysene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <18.0B, U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Fluoranthene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Fluorene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Naphthalene | A | 20.2 | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Phenanthrene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Phenol, Total | A | 667V | ug/kg dry | 1 | 36.0 | 36.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| SW-8270 | Pyrene | A | <18.0U | ug/kg dry | 1 | 18.0 | 18.0 | BFG2759 | 08/12/2022 08:35 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *22.1% S* | *60-140* | | | | | *08/12/2022 08:35* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *83.2%* | *60-140* | | | | | *08/12/2022 08:35* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *114%* | *60-140* | | | | | *08/12/2022 08:35* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *99.8%* | *60-140* | | | | | *08/12/2022 08:35* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *108%* | *60-140* | | | | | *08/12/2022 08:35* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *12.3% S* | *60-140* | | | | | *08/12/2022 08:35* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <28.3U | ug/kg dry | 1 | 28.3 | 28.3 | BFG2416 | 08/20/2022 00:26 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *118%* | *60-140* | | | | | *08/20/2022 00:26* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *76.0%* | *60-140* | | | | | *08/20/2022 00:26* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.271U | mg/kg dry | 1 | 0.271 | 3.37 | BFH1125 | 08/16/2022 13:05 | TBB |
| EPA 200.8 | Arsenic | N | 23.3 | mg/kg dry | 1 | 0.414 | 1.68 | BFH1125 | 08/16/2022 13:05 | TBB |
| EPA 200.8 | Beryllium | N | <0.0337U | mg/kg dry | 1 | 0.0337 | 0.673 | BFH1125 | 08/17/2022 13:10 | TBB |
| EPA 200.8 | Cadmium | N | 0.358J | mg/kg dry | 1 | 0.106 | 3.37 | BFH1125 | 08/16/2022 13:05 | TBB |
| EPA 200.8 | Chromium | N | 2.08J | mg/kg dry | 1 | 0.247 | 10.1 | BFH1125 | 08/16/2022 13:05 | TBB |
| EPA 200.8 | Copper | N | 14.3 | mg/kg dry | 1 | 0.293 | 3.37 | BFH1125 | 08/16/2022 13:05 | TBB |
| Calc | Chromium (III) | | <14.3U | mg/kg (dry wt) dry | 1 | 14.3 | 49.8 | [CALC] | 08/16/2022 13:05 | EM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-4 (Continued)
Lab Sample ID: 22F4225-82
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| SW-7196 | Chromium (VI) | N | <14.1 | U | mg/kg (dry wt) dry | 1 | 14.1 | 39.7 | BFG2213 | 07/18/2022 18:12 | EM |
| SW-7471B | Mercury | A | <0.0362 | U | mg/kg dry | 1 | 0.0362 | 0.0724 | BFH0373 | 08/03/2022 18:17 | EM |
| EPA 200.8 | Lead | N | 1.05 | J | mg/kg dry | 1 | 0.254 | 1.68 | BFH1125 | 08/16/2022 13:05 | TBB |
| EPA 200.8 | Nickel | N | 1.94 | J | mg/kg dry | 1 | 0.0596 | 3.37 | BFH1125 | 08/16/2022 13:05 | TBB |
| EPA 200.8 | Selenium | N | <3.70 | U | mg/kg dry | 1 | 3.70 | 16.8 | BFH1125 | 08/23/2022 10:21 | TBB |
| EPA 200.8 | Silver | N | 0.268 | J | mg/kg dry | 1 | 0.0239 | 1.68 | BFH1125 | 08/16/2022 13:05 | TBB |
| EPA 200.8 | Thallium | N | <0.0232 | U | mg/kg dry | 1 | 0.0232 | 1.68 | BFH1125 | 08/16/2022 13:05 | TBB |
| EPA 200.8 | Zinc | N | 186 | | mg/kg dry | 2 | 2.53 | 13.5 | BFH1125 | 08/23/2022 11:38 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.6 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-5
Lab Sample ID: 22F4225-83
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <40.4U | ug/kg dry | 1 | 40.4 | 40.4 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Acenaphthene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Acenaphthylene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Anthracene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <40.4U | ug/kg dry | 1 | 40.4 | 40.4 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <20.2B, U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Chrysene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 22.8V | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Fluoranthene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Fluorene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Naphthalene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Phenanthrene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Phenol, Total | A | 636V | ug/kg dry | 1 | 40.4 | 40.4 | BFG2759 | 08/12/2022 09:10 | KRB |
| SW-8270 | Pyrene | A | <20.2U | ug/kg dry | 1 | 20.2 | 20.2 | BFG2759 | 08/12/2022 09:10 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *29.0% S* | *60-140* | | | | | *08/12/2022 09:10* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *70.0%* | *60-140* | | | | | *08/12/2022 09:10* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *120%* | *60-140* | | | | | *08/12/2022 09:10* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *95.3%* | *60-140* | | | | | *08/12/2022 09:10* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *99.9%* | *60-140* | | | | | *08/12/2022 09:10* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *15.8% S* | *60-140* | | | | | *08/12/2022 09:10* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <32.6U | ug/kg dry | 1 | 32.6 | 32.6 | BFG2416 | 08/20/2022 00:03 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *109%* | *60-140* | | | | | *08/20/2022 00:03* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *70.0%* | *60-140* | | | | | *08/20/2022 00:03* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.284U | mg/kg dry | 1 | 0.284 | 3.53 | BFH1125 | 08/16/2022 13:07 | TBB |
| EPA 200.8 | Arsenic | N | 21.9 | mg/kg dry | 1 | 0.434 | 1.77 | BFH1125 | 08/16/2022 13:07 | TBB |
| EPA 200.8 | Beryllium | N | <0.0353U | mg/kg dry | 1 | 0.0353 | 0.706 | BFH1125 | 08/17/2022 13:12 | TBB |
| EPA 200.8 | Cadmium | N | 0.337J | mg/kg dry | 1 | 0.112 | 3.53 | BFH1125 | 08/16/2022 13:07 | TBB |
| EPA 200.8 | Chromium | N | 1.51J | mg/kg dry | 1 | 0.260 | 10.6 | BFH1125 | 08/16/2022 13:07 | TBB |
| EPA 200.8 | Copper | N | 11.4 | mg/kg dry | 1 | 0.307 | 3.53 | BFH1125 | 08/16/2022 13:07 | TBB |
| Calc | Chromium (III) | | <15.5U | mg/kg (dry wt) dry | 1 | 15.5 | 53.7 | [CALC] | 08/16/2022 13:07 | EM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 7-5 (Continued)
Lab Sample ID: 22F4225-83
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | |
| SW-7196 | Chromium (VI) | N | <15.3U | mg/kg (dry wt) dry | 1 | 15.3 | 43.1 | BFG2213 | 07/18/2022 18:17 | EM |
| SW-7471B | Mercury | A | <0.0386U | mg/kg dry | 1 | 0.0386 | 0.0772 | BFH0373 | 08/03/2022 18:27 | EM |
| EPA 200.8 | Lead | N | 0.848J | mg/kg dry | 1 | 0.267 | 1.77 | BFH1125 | 08/16/2022 13:07 | TBB |
| EPA 200.8 | Nickel | N | 1.68J | mg/kg dry | 1 | 0.0625 | 3.53 | BFH1125 | 08/16/2022 13:07 | TBB |
| EPA 200.8 | Selenium | N | <3.88U | mg/kg dry | 1 | 3.88 | 17.7 | BFH1125 | 08/23/2022 10:23 | TBB |
| EPA 200.8 | Silver | N | 0.179J | mg/kg dry | 1 | 0.0251 | 1.77 | BFH1125 | 08/16/2022 13:07 | TBB |
| EPA 200.8 | Thallium | N | <0.0244U | mg/kg dry | 1 | 0.0244 | 1.77 | BFH1125 | 08/16/2022 13:07 | TBB |
| EPA 200.8 | Zinc | N | 83.4 | mg/kg dry | 1 | 1.33 | 7.06 | BFH1125 | 08/16/2022 13:07 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.1 | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 8-1
Lab Sample ID: 22F4225-84
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.285 | U | mg/kg dry | 1 | 0.285 | 3.54 | BFH1125 | 08/16/2022 13:09 | TBB |
| EPA 200.8 | Arsenic | N | 22.7 | | mg/kg dry | 1 | 0.435 | 1.77 | BFH1125 | 08/16/2022 13:09 | TBB |
| EPA 200.8 | Beryllium | N | <0.0354 | U | mg/kg dry | 1 | 0.0354 | 0.707 | BFH1125 | 08/17/2022 13:15 | TBB |
| EPA 200.8 | Cadmium | N | 0.364 | J | mg/kg dry | 1 | 0.112 | 3.54 | BFH1125 | 08/16/2022 13:09 | TBB |
| EPA 200.8 | Chromium | N | 0.931 | J | mg/kg dry | 1 | 0.260 | 10.6 | BFH1125 | 08/16/2022 13:09 | TBB |
| EPA 200.8 | Copper | N | 12.2 | | mg/kg dry | 1 | 0.308 | 3.54 | BFH1125 | 08/16/2022 13:09 | TBB |
| Calc | Chromium (III) | | <15.4 | U | mg/kg (dry wt) dry | 1 | 15.4 | 53.2 | [CALC] | 08/16/2022 13:09 | EM |
| SW-7196 | Chromium (VI) | N | <15.1 | U | mg/kg (dry wt) dry | 1 | 15.1 | 42.6 | BFG2213 | 07/18/2022 18:18 | EM |
| SW-7471B | Mercury | A | 0.0807 | | mg/kg dry | 1 | 0.0356 | 0.0712 | BFH0373 | 08/03/2022 18:30 | EM |
| EPA 200.8 | Lead | N | 0.552 | J | mg/kg dry | 1 | 0.267 | 1.77 | BFH1125 | 08/16/2022 13:09 | TBB |
| EPA 200.8 | Nickel | N | 2.05 | J | mg/kg dry | 1 | 0.0626 | 3.54 | BFH1125 | 08/16/2022 13:09 | TBB |
| EPA 200.8 | Selenium | N | <3.89 | U | mg/kg dry | 1 | 3.89 | 17.7 | BFH1125 | 08/23/2022 10:25 | TBB |
| EPA 200.8 | Silver | N | 0.191 | J | mg/kg dry | 1 | 0.0251 | 1.77 | BFH1125 | 08/16/2022 13:09 | TBB |
| EPA 200.8 | Thallium | N | <0.0244 | U | mg/kg dry | 1 | 0.0244 | 1.77 | BFH1125 | 08/16/2022 13:09 | TBB |
| EPA 200.8 | Zinc | N | 474 | | mg/kg dry | 10 | 13.3 | 70.7 | BFH1125 | 08/23/2022 11:40 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.5 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 8-1
Lab Sample ID: 22F4225-84RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <35.2 | U | ug/kg dry | 1 | 35.2 | 35.2 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <35.2 | U | ug/kg dry | 1 | 35.2 | 35.2 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <17.6 | B, U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 173 | V | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | 24.6 | | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 640 | V | ug/kg dry | 1 | 35.2 | 35.2 | BFG2759 | 08/18/2022 03:34 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <17.6 | U | ug/kg dry | 1 | 17.6 | 17.6 | BFG2759 | 08/18/2022 03:34 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *18.4%* | *S* | *60-140* | | | | | *08/18/2022 03:34* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *75.0%* | | *60-140* | | | | | *08/18/2022 03:34* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *73.9%* | | *60-140* | | | | | *08/18/2022 03:34* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *90.8%* | | *60-140* | | | | | *08/18/2022 03:34* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *110%* | | *60-140* | | | | | *08/18/2022 03:34* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *23.8%* | *S* | *60-140* | | | | | *08/18/2022 03:34* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 8-2
Lab Sample ID: 22F4225-85
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.269U | mg/kg dry | 1 | 0.269 | 3.34 | BFH1125 | 08/17/2022 13:24 | TBB |
| EPA 200.8 | Arsenic | N | 23.2 | mg/kg dry | 1 | 0.411 | 1.67 | BFH1125 | 08/17/2022 13:24 | TBB |
| EPA 200.8 | Beryllium | N | <0.0334U | mg/kg dry | 1 | 0.0334 | 0.668 | BFH1125 | 08/17/2022 13:24 | TBB |
| EPA 200.8 | Cadmium | N | 0.387J | mg/kg dry | 1 | 0.106 | 3.34 | BFH1125 | 08/17/2022 13:24 | TBB |
| EPA 200.8 | Chromium | N | 1.69J | mg/kg dry | 1 | 0.245 | 10.0 | BFH1125 | 08/17/2022 13:24 | TBB |
| EPA 200.8 | Copper | N | 15.0 | mg/kg dry | 1 | 0.291 | 3.34 | BFH1125 | 08/17/2022 13:24 | TBB |
| Calc | Chromium (III) | | <14.7U | mg/kg (dry wt) dry | 1 | 14.7 | 50.9 | [CALC] | 08/17/2022 13:24 | EM |
| SW-7196 | Chromium (VI) | N | <14.5U | mg/kg (dry wt) dry | 1 | 14.5 | 40.9 | BFG2213 | 07/18/2022 18:19 | EM |
| SW-7471B | Mercury | A | 0.0653J | mg/kg dry | 1 | 0.0352 | 0.0704 | BFH0373 | 08/03/2022 18:34 | EM |
| EPA 200.8 | Lead | N | 0.661J | mg/kg dry | 1 | 0.252 | 1.67 | BFH1125 | 08/17/2022 13:24 | TBB |
| EPA 200.8 | Nickel | N | 2.43J | mg/kg dry | 1 | 0.0591 | 3.34 | BFH1125 | 08/17/2022 13:24 | TBB |
| EPA 200.8 | Selenium | N | <3.67U | mg/kg dry | 1 | 3.67 | 16.7 | BFH1125 | 08/23/2022 10:35 | TBB |
| EPA 200.8 | Silver | N | 0.340J | mg/kg dry | 1 | 0.0237 | 1.67 | BFH1125 | 08/17/2022 13:24 | TBB |
| EPA 200.8 | Thallium | N | <0.0230U | mg/kg dry | 1 | 0.0230 | 1.67 | BFH1125 | 08/17/2022 13:24 | TBB |
| EPA 200.8 | Zinc | N | 82.3 | mg/kg dry | 1 | 1.25 | 6.68 | BFH1125 | 08/23/2022 10:35 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.0 | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 8-2
Lab Sample ID: 22F4225-85RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <37.4 | U | ug/kg dry | 1 | 37.4 | 37.4 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <37.4 | U | ug/kg dry | 1 | 37.4 | 37.4 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <18.7 | B, U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 142 | V | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | 20.3 | | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 638 | V | ug/kg dry | 1 | 37.4 | 37.4 | BFG2759 | 08/18/2022 04:09 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <18.7 | U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/18/2022 04:09 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *12.4%* | *S* | *60-140* | | | | | *08/18/2022 04:09* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *63.5%* | | *60-140* | | | | | *08/18/2022 04:09* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *59.9%* | *S* | *60-140* | | | | | *08/18/2022 04:09* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *78.6%* | | *60-140* | | | | | *08/18/2022 04:09* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *89.3%* | | *60-140* | | | | | *08/18/2022 04:09* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *20.8%* | *S* | *60-140* | | | | | *08/18/2022 04:09* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 8-3
Lab Sample ID: 22F4225-86
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.294 | U | mg/kg dry | 1 | 0.294 | 3.65 | BFH1125 | 08/17/2022 13:26 | TBB |
| EPA 200.8 | Arsenic | N | 24.0 | | mg/kg dry | 1 | 0.449 | 1.82 | BFH1125 | 08/17/2022 13:26 | TBB |
| EPA 200.8 | Beryllium | N | <0.0365 | U | mg/kg dry | 1 | 0.0365 | 0.730 | BFH1125 | 08/17/2022 13:26 | TBB |
| EPA 200.8 | Cadmium | N | 0.356 | J | mg/kg dry | 1 | 0.115 | 3.65 | BFH1125 | 08/17/2022 13:26 | TBB |
| EPA 200.8 | Chromium | N | 0.877 | J | mg/kg dry | 1 | 0.268 | 10.9 | BFH1125 | 08/17/2022 13:26 | TBB |
| EPA 200.8 | Copper | N | 12.0 | | mg/kg dry | 1 | 0.317 | 3.65 | BFH1125 | 08/17/2022 13:26 | TBB |
| Calc | Chromium (III) | | <14.5 | U | mg/kg (dry wt) dry | 1 | 14.5 | 51.1 | [CALC] | 08/17/2022 13:26 | EM |
| SW-7196 | Chromium (VI) | N | <14.2 | U | mg/kg (dry wt) dry | 1 | 14.2 | 40.2 | BFG2213 | 07/18/2022 18:19 | EM |
| SW-7471B | Mercury | A | 0.0782 | | mg/kg dry | 1 | 0.0320 | 0.0641 | BFH0373 | 08/03/2022 18:37 | EM |
| EPA 200.8 | Lead | N | 0.591 | J | mg/kg dry | 1 | 0.275 | 1.82 | BFH1125 | 08/17/2022 13:26 | TBB |
| EPA 200.8 | Nickel | N | 2.01 | J | mg/kg dry | 1 | 0.0646 | 3.65 | BFH1125 | 08/17/2022 13:26 | TBB |
| EPA 200.8 | Selenium | N | <4.01 | U | mg/kg dry | 1 | 4.01 | 18.2 | BFH1125 | 08/23/2022 10:38 | TBB |
| EPA 200.8 | Silver | N | 0.217 | J | mg/kg dry | 1 | 0.0259 | 1.82 | BFH1125 | 08/17/2022 13:26 | TBB |
| EPA 200.8 | Thallium | N | <0.0252 | U | mg/kg dry | 1 | 0.0252 | 1.82 | BFH1125 | 08/17/2022 13:26 | TBB |
| EPA 200.8 | Zinc | N | 71.8 | | mg/kg dry | 1 | 1.37 | 7.30 | BFH1125 | 08/23/2022 10:38 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.7 | | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 8-3
Lab Sample ID: 22F4225-86RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <37.9 | U | ug/kg dry | 1 | 37.9 | 37.9 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <37.9 | U | ug/kg dry | 1 | 37.9 | 37.9 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <19.0 | B, U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 146 | V | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | 20.2 | | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 648 | V | ug/kg dry | 1 | 37.9 | 37.9 | BFG2759 | 08/18/2022 04:43 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 04:43 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *12.2%* | *S* | *60-140* | | | | | *08/18/2022 04:43* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *70.0%* | | *60-140* | | | | | *08/18/2022 04:43* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *62.9%* | | *60-140* | | | | | *08/18/2022 04:43* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *87.1%* | | *60-140* | | | | | *08/18/2022 04:43* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *94.3%* | | *60-140* | | | | | *08/18/2022 04:43* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *25.0%* | *S* | *60-140* | | | | | *08/18/2022 04:43* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 8-4
Lab Sample ID: 22F4225-87
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.295 | U | mg/kg dry | 1 | 0.295 | 3.66 | BFH1125 | 08/17/2022 13:29 | TBB |
| EPA 200.8 | Arsenic | N | 24.5 | | mg/kg dry | 1 | 0.450 | 1.83 | BFH1125 | 08/17/2022 13:29 | TBB |
| EPA 200.8 | Beryllium | N | <0.0366 | U | mg/kg dry | 1 | 0.0366 | 0.733 | BFH1125 | 08/17/2022 13:29 | TBB |
| EPA 200.8 | Cadmium | N | 0.374 | J | mg/kg dry | 1 | 0.116 | 3.66 | BFH1125 | 08/17/2022 13:29 | TBB |
| EPA 200.8 | Chromium | N | 0.849 | J | mg/kg dry | 1 | 0.269 | 11.0 | BFH1125 | 08/17/2022 13:29 | TBB |
| EPA 200.8 | Copper | N | 11.8 | | mg/kg dry | 1 | 0.319 | 3.66 | BFH1125 | 08/17/2022 13:29 | TBB |
| Calc | Chromium (III) | | <15.4 | U | mg/kg (dry wt) dry | 1 | 15.4 | 53.8 | [CALC] | 08/17/2022 13:29 | EM |
| SW-7196 | Chromium (VI) | N | <15.2 | U | mg/kg (dry wt) dry | 1 | 15.2 | 42.8 | BFG2026 | 07/15/2022 18:19 | EM |
| SW-7471B | Mercury | A | 0.0729 | J | mg/kg dry | 1 | 0.0372 | 0.0744 | BFH0373 | 08/03/2022 18:40 | EM |
| EPA 200.8 | Lead | N | 0.671 | J | mg/kg dry | 1 | 0.277 | 1.83 | BFH1125 | 08/17/2022 13:29 | TBB |
| EPA 200.8 | Nickel | N | 2.20 | J | mg/kg dry | 1 | 0.0648 | 3.66 | BFH1125 | 08/17/2022 13:29 | TBB |
| EPA 200.8 | Selenium | N | <4.03 | U | mg/kg dry | 1 | 4.03 | 18.3 | BFH1125 | 08/23/2022 10:40 | TBB |
| EPA 200.8 | Silver | N | 0.200 | J | mg/kg dry | 1 | 0.0260 | 1.83 | BFH1125 | 08/17/2022 13:29 | TBB |
| EPA 200.8 | Thallium | N | <0.0253 | U | mg/kg dry | 1 | 0.0253 | 1.83 | BFH1125 | 08/17/2022 13:29 | TBB |
| EPA 200.8 | Zinc | N | 100 | | mg/kg dry | 1 | 1.38 | 7.33 | BFH1125 | 08/23/2022 10:40 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.8 | | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-HI-DMMU 8-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 22F4225-87RE1 | Date Collected: | 04/15/2022 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <38.0 | U | ug/kg dry | 1 | 38.0 | 38.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <38.0 | U | ug/kg dry | 1 | 38.0 | 38.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <19.0 | B, U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | <19.0 | B, U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 693 | V | ug/kg dry | 1 | 38.0 | 38.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <19.0 | U | ug/kg dry | 1 | 19.0 | 19.0 | BFG2759 | 08/18/2022 05:18 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *25.1%* | *S* | *60-140* | | | | | *08/18/2022 05:18* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *84.5%* | | *60-140* | | | | | *08/18/2022 05:18* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *81.3%* | | *60-140* | | | | | *08/18/2022 05:18* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *92.4%* | | *60-140* | | | | | *08/18/2022 05:18* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *122%* | | *60-140* | | | | | *08/18/2022 05:18* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *17.0%* | *S* | *60-140* | | | | | *08/18/2022 05:18* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 8-5
Lab Sample ID: 22F4225-88
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.276U | mg/kg dry | 1 | 0.276 | 3.43 | BFH1125 | 08/17/2022 13:31 | TBB |
| EPA 200.8 | Arsenic | N | 23.3 | mg/kg dry | 1 | 0.422 | 1.72 | BFH1125 | 08/17/2022 13:31 | TBB |
| EPA 200.8 | Beryllium | N | <0.0343U | mg/kg dry | 1 | 0.0343 | 0.687 | BFH1125 | 08/17/2022 13:31 | TBB |
| EPA 200.8 | Cadmium | N | 0.375J | mg/kg dry | 1 | 0.108 | 3.43 | BFH1125 | 08/17/2022 13:31 | TBB |
| EPA 200.8 | Chromium | N | 1.16J | mg/kg dry | 1 | 0.252 | 10.3 | BFH1125 | 08/17/2022 13:31 | TBB |
| EPA 200.8 | Copper | N | 11.3 | mg/kg dry | 1 | 0.299 | 3.43 | BFH1125 | 08/17/2022 13:31 | TBB |
| Calc | Chromium (III) | | <14.5U | mg/kg (dry wt) dry | 1 | 14.5 | 50.5 | [CALC] | 08/17/2022 13:31 | EM |
| SW-7196 | Chromium (VI) | N | <14.2U | mg/kg (dry wt) dry | 1 | 14.2 | 40.2 | BFG2213 | 07/18/2022 18:16 | EM |
| SW-7471B | Mercury | A | 0.0821 | mg/kg dry | 1 | 0.0356 | 0.0713 | BFH0643 | 08/04/2022 17:52 | EM |
| EPA 200.8 | Lead | N | 0.651J | mg/kg dry | 1 | 0.259 | 1.72 | BFH1125 | 08/17/2022 13:31 | TBB |
| EPA 200.8 | Nickel | N | 2.34J | mg/kg dry | 1 | 0.0608 | 3.43 | BFH1125 | 08/17/2022 13:31 | TBB |
| EPA 200.8 | Selenium | N | <3.78U | mg/kg dry | 1 | 3.78 | 17.2 | BFH1125 | 08/23/2022 10:42 | TBB |
| EPA 200.8 | Silver | N | 0.178J | mg/kg dry | 1 | 0.0244 | 1.72 | BFH1125 | 08/17/2022 13:31 | TBB |
| EPA 200.8 | Thallium | N | <0.0237U | mg/kg dry | 1 | 0.0237 | 1.72 | BFH1125 | 08/17/2022 13:31 | TBB |
| EPA 200.8 | Zinc | N | 108 | mg/kg dry | 1 | 1.29 | 6.87 | BFH1125 | 08/23/2022 10:42 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.9 | % | 1 | 0.100 | 0.100 | BFG0300 | 07/06/2022 11:09 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-DMMU 8-5
Lab Sample ID: 22F4225-88RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <34.7 | U | ug/kg dry | 1 | 34.7 | 34.7 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <34.7 | U | ug/kg dry | 1 | 34.7 | 34.7 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <17.3 | B, U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 132 | V | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | 20.5 | | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 486 | V | ug/kg dry | 1 | 34.7 | 34.7 | BFG2759 | 08/18/2022 05:53 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <17.3 | U | ug/kg dry | 1 | 17.3 | 17.3 | BFG2759 | 08/18/2022 05:53 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *15.4%* | *S* | *60-140* | | | | | *08/18/2022 05:53* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *68.2%* | | *60-140* | | | | | *08/18/2022 05:53* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *73.2%* | | *60-140* | | | | | *08/18/2022 05:53* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *94.2%* | | *60-140* | | | | | *08/18/2022 05:53* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *91.9%* | | *60-140* | | | | | *08/18/2022 05:53* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *23.9%* | *S* | *60-140* | | | | | *08/18/2022 05:53* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-PRETEST-1
Lab Sample ID: 22F4225-89
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 425V | ug/kg dry | 1 | 32.1 | 32.1 | BFG2759 | 08/12/2022 12:39 | KRB |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *94.1%* | *60-140* | | | | | *08/12/2022 12:39* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <25.7U | ug/kg dry | 1 | 25.7 | 25.7 | BFG2416 | 08/19/2022 23:39 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *354% S* | *60-140* | | | | | *08/19/2022 23:39* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *64.6%* | *60-140* | | | | | *08/19/2022 23:39* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.251U | mg/kg dry | 1 | 0.251 | 3.11 | BFH1125 | 08/17/2022 13:33 | TBB |
| EPA 200.8 | Arsenic | N | 22.9 | mg/kg dry | 1 | 0.383 | 1.56 | BFH1125 | 08/17/2022 13:33 | TBB |
| EPA 200.8 | Beryllium | N | <0.0311U | mg/kg dry | 1 | 0.0311 | 0.623 | BFH1125 | 08/17/2022 13:33 | TBB |
| EPA 200.8 | Cadmium | N | 0.262J | mg/kg dry | 1 | 0.0984 | 3.11 | BFH1125 | 08/17/2022 13:33 | TBB |
| EPA 200.8 | Chromium | N | 0.809J | mg/kg dry | 1 | 0.229 | 9.34 | BFH1125 | 08/17/2022 13:33 | TBB |
| EPA 200.8 | Copper | N | 12.0 | mg/kg dry | 1 | 0.271 | 3.11 | BFH1125 | 08/17/2022 13:33 | TBB |
| Calc | Chromium (III) | | <11.4U | mg/kg (dry wt) dry | 1 | 11.4 | 40.9 | [CALC] | 08/17/2022 13:33 | EM |
| SW-7196 | Chromium (VI) | N | 17.0J | mg/kg (dry wt) dry | 1 | 11.2 | 31.6 | BFG2213 | 07/18/2022 18:20 | EM |
| SW-7471B | Mercury | A | 0.0414J | mg/kg dry | 1 | 0.0294 | 0.0587 | BFH0643 | 08/04/2022 17:55 | EM |
| EPA 200.8 | Lead | N | 0.659J | mg/kg dry | 1 | 0.235 | 1.56 | BFH1125 | 08/17/2022 13:33 | TBB |
| EPA 200.8 | Nickel | N | 1.24J | mg/kg dry | 1 | 0.0551 | 3.11 | BFH1125 | 08/17/2022 13:33 | TBB |
| EPA 200.8 | Selenium | N | <3.43U | mg/kg dry | 1 | 3.43 | 15.6 | BFH1125 | 08/23/2022 10:45 | TBB |
| EPA 200.8 | Silver | N | 0.199J | mg/kg dry | 1 | 0.0221 | 1.56 | BFH1125 | 08/17/2022 13:33 | TBB |
| EPA 200.8 | Thallium | N | <0.0215U | mg/kg dry | 1 | 0.0215 | 1.56 | BFH1125 | 08/17/2022 13:33 | TBB |
| EPA 200.8 | Zinc | N | 211 | mg/kg dry | 5 | 5.85 | 31.1 | BFH1125 | 08/23/2022 11:43 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.7 | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-PRETEST-1
Lab Sample ID: 22F4225-89RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <32.1 | U | ug/kg dry | 1 | 32.1 | 32.1 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <32.1 | U | ug/kg dry | 1 | 32.1 | 32.1 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <16.0 | B, U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 87.4 | V | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Fluorene (Rerun) | A | 18.9 | | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | 61.9 | | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <16.0 | U | ug/kg dry | 1 | 16.0 | 16.0 | BFG2759 | 08/18/2022 06:28 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *28.2%* | *S* | *60-140* | | | | | *08/18/2022 06:28* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *75.9%* | | *60-140* | | | | | *08/18/2022 06:28* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *81.7%* | | *60-140* | | | | | *08/18/2022 06:28* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *91.0%* | | *60-140* | | | | | *08/18/2022 06:28* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *136%* | | *60-140* | | | | | *08/18/2022 06:28* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *11.8%* | *S* | *60-140* | | | | | *08/18/2022 06:28* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-PRETEST-2
Lab Sample ID: 22F4225-90
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 369 | V | ug/kg dry | 1 | 33.1 | 33.1 | BFG2759 | 08/12/2022 13:13 | KRB |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *110%* | | *60-140* | | | | | *08/12/2022 13:13* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <26.4 | U | ug/kg dry | 1 | 26.4 | 26.4 | BFG2416 | 08/19/2022 22:53 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *381%* | *S* | *60-140* | | | | | *08/19/2022 22:53* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *62.8%* | | *60-140* | | | | | *08/19/2022 22:53* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.241 | U | mg/kg dry | 1 | 0.241 | 2.99 | BFH1125 | 08/17/2022 13:35 | TBB |
| EPA 200.8 | Arsenic | N | 24.0 | | mg/kg dry | 1 | 0.368 | 1.50 | BFH1125 | 08/17/2022 13:35 | TBB |
| EPA 200.8 | Beryllium | N | <0.0299 | U | mg/kg dry | 1 | 0.0299 | 0.599 | BFH1125 | 08/17/2022 13:35 | TBB |
| EPA 200.8 | Cadmium | N | 0.290 | J | mg/kg dry | 1 | 0.0946 | 2.99 | BFH1125 | 08/17/2022 13:35 | TBB |
| EPA 200.8 | Chromium | N | 1.15 | J | mg/kg dry | 1 | 0.220 | 8.98 | BFH1125 | 08/17/2022 13:35 | TBB |
| EPA 200.8 | Copper | N | 16.3 | | mg/kg dry | 1 | 0.261 | 2.99 | BFH1125 | 08/17/2022 13:35 | TBB |
| Calc | Chromium (III) | | <12.6 | U | mg/kg (dry wt) dry | 1 | 12.6 | 44.1 | [CALC] | 08/17/2022 13:35 | EM |
| SW-7196 | Chromium (VI) | N | <12.4 | U | mg/kg (dry wt) dry | 1 | 12.4 | 35.1 | BFG2213 | 07/18/2022 18:21 | EM |
| SW-7471B | Mercury | A | 0.0374 | J | mg/kg dry | 1 | 0.0318 | 0.0637 | BFH0643 | 08/04/2022 17:58 | EM |
| EPA 200.8 | Lead | N | 0.731 | J | mg/kg dry | 1 | 0.226 | 1.50 | BFH1125 | 08/17/2022 13:35 | TBB |
| EPA 200.8 | Nickel | N | 1.38 | J | mg/kg dry | 1 | 0.0530 | 2.99 | BFH1125 | 08/17/2022 13:35 | TBB |
| EPA 200.8 | Selenium | N | <3.29 | U | mg/kg dry | 1 | 3.29 | 15.0 | BFH1125 | 08/23/2022 10:47 | TBB |
| EPA 200.8 | Silver | N | 0.226 | J | mg/kg dry | 1 | 0.0213 | 1.50 | BFH1125 | 08/17/2022 13:35 | TBB |
| EPA 200.8 | Thallium | N | <0.0207 | U | mg/kg dry | 1 | 0.0207 | 1.50 | BFH1125 | 08/17/2022 13:35 | TBB |
| EPA 200.8 | Zinc | N | 328 | | mg/kg dry | 5 | 5.62 | 29.9 | BFH1125 | 08/23/2022 11:45 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.8 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-PRETEST-2
Lab Sample ID: 22F4225-90RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <33.1 | U | ug/kg dry | 1 | 33.1 | 33.1 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <33.1 | U | ug/kg dry | 1 | 33.1 | 33.1 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <16.5 | B, U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 344 | V | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | 52.2 | | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <16.5 | U | ug/kg dry | 1 | 16.5 | 16.5 | BFG2759 | 08/18/2022 07:03 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *15.6%* | *S* | *60-140* | | | | | *08/18/2022 07:03* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *72.4%* | | *60-140* | | | | | *08/18/2022 07:03* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *71.4%* | | *60-140* | | | | | *08/18/2022 07:03* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *91.5%* | | *60-140* | | | | | *08/18/2022 07:03* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *111%* | | *60-140* | | | | | *08/18/2022 07:03* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *14.5%* | *S* | *60-140* | | | | | *08/18/2022 07:03* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-PRETEST-3
Lab Sample ID: 22F4225-91
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 303 | V | ug/kg dry | 1 | 30.5 | 30.5 | BFG2759 | 08/12/2022 13:48 | KRB |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *65.9%* | | *60-140* | | | | | *08/12/2022 13:48* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <24.5 | U | ug/kg dry | 1 | 24.5 | 24.5 | BFG2419 | 08/20/2022 09:44 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *144%* | *S* | *60-140* | | | | | *08/20/2022 09:44* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *76.5%* | | *60-140* | | | | | *08/20/2022 09:44* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.246 | U | mg/kg dry | 1 | 0.246 | 3.05 | BFH2148 | 08/18/2022 17:50 | TBB |
| EPA 200.8 | Arsenic | N | 23.5 | | mg/kg dry | 1 | 0.375 | 1.53 | BFH2148 | 08/18/2022 17:50 | TBB |
| EPA 200.8 | Beryllium | N | <0.0305 | U | mg/kg dry | 1 | 0.0305 | 0.610 | BFH2148 | 08/23/2022 18:39 | TBB |
| EPA 200.8 | Cadmium | N | 0.267 | J | mg/kg dry | 1 | 0.0964 | 3.05 | BFH2148 | 08/18/2022 17:50 | TBB |
| EPA 200.8 | Chromium | N | 0.722 | J | mg/kg dry | 1 | 0.224 | 9.16 | BFH2148 | 08/19/2022 12:49 | TBB |
| EPA 200.8 | Copper | N | 8.14 | | mg/kg dry | 1 | 0.266 | 3.05 | BFH2148 | 08/19/2022 12:49 | TBB |
| Calc | Chromium (III) | | <12.6 | U | mg/kg (dry wt) dry | 1 | 12.6 | 44.1 | [CALC] | 08/19/2022 12:49 | EM |
| SW-7196 | Chromium (VI) | N | <12.4 | U | mg/kg (dry wt) dry | 1 | 12.4 | 35.0 | BFG2213 | 07/18/2022 18:21 | EM |
| SW-7471B | Mercury | A | <0.0315 | U | mg/kg dry | 1 | 0.0315 | 0.0629 | BFH1159 | 08/09/2022 18:43 | NAZ |
| EPA 200.8 | Lead | N | 0.547 | J | mg/kg dry | 1 | 0.230 | 1.53 | BFH2148 | 08/18/2022 17:50 | TBB |
| EPA 200.8 | Nickel | N | 1.03 | J | mg/kg dry | 1 | 0.0540 | 3.05 | BFH2148 | 08/19/2022 12:49 | TBB |
| EPA 200.8 | Selenium | N | <3.36 | U | mg/kg dry | 1 | 3.36 | 15.3 | BFH2148 | 08/23/2022 13:52 | TBB |
| EPA 200.8 | Silver | N | 0.202 | J | mg/kg dry | 1 | 0.0217 | 1.53 | BFH2148 | 08/23/2022 13:52 | TBB |
| EPA 200.8 | Thallium | N | <0.0211 | U | mg/kg dry | 1 | 0.0211 | 1.53 | BFH2148 | 08/18/2022 17:50 | TBB |
| EPA 200.8 | Zinc | N | 76.8 | | mg/kg dry | 1 | 1.15 | 6.10 | BFH2148 | 08/19/2022 12:49 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 14.9 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-PRETEST-3
Lab Sample ID: 22F4225-91RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <30.5U | ug/kg dry | 1 | 30.5 | 30.5 | BFG2759 | 08/18/2022 07:38 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <15.2U | ug/kg dry | 1 | 15.2 | 15.2 | BFG2759 | 08/18/2022 07:38 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <15.2U | ug/kg dry | 1 | 15.2 | 15.2 | BFG2759 | 08/18/2022 07:38 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <30.5U | ug/kg dry | 2 | 30.5 | 30.5 | BFG2759 | 08/18/2022 23:45 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <30.5U | ug/kg dry | 2 | 30.5 | 30.5 | BFG2759 | 08/18/2022 23:45 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <30.5U | ug/kg dry | 2 | 30.5 | 30.5 | BFG2759 | 08/18/2022 23:45 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <60.9U | ug/kg dry | 2 | 60.9 | 60.9 | BFG2759 | 08/18/2022 23:45 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <30.5U | ug/kg dry | 2 | 30.5 | 30.5 | BFG2759 | 08/18/2022 23:45 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <30.5B, U | ug/kg dry | 2 | 30.5 | 30.5 | BFG2759 | 08/18/2022 23:45 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <30.5U | ug/kg dry | 2 | 30.5 | 30.5 | BFG2759 | 08/18/2022 23:45 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <30.5U | ug/kg dry | 2 | 30.5 | 30.5 | BFG2759 | 08/18/2022 23:45 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 231V | ug/kg dry | 1 | 15.2 | 15.2 | BFG2759 | 08/18/2022 07:38 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <30.5U | ug/kg dry | 2 | 30.5 | 30.5 | BFG2759 | 08/18/2022 23:45 | KRB |
| SW-8270 | Fluorene (Rerun) | A | 22.6 | ug/kg dry | 1 | 15.2 | 15.2 | BFG2759 | 08/18/2022 07:38 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <30.5U | ug/kg dry | 2 | 30.5 | 30.5 | BFG2759 | 08/18/2022 23:45 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | 63.1 | ug/kg dry | 1 | 15.2 | 15.2 | BFG2759 | 08/18/2022 07:38 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <30.5U | ug/kg dry | 2 | 30.5 | 30.5 | BFG2759 | 08/18/2022 23:45 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <30.5U | ug/kg dry | 2 | 30.5 | 30.5 | BFG2759 | 08/18/2022 23:45 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *18.3% S* | *60-140* | | | | | *08/18/2022 07:38* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *67.3%* | *60-140* | | | | | *08/18/2022 07:38* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *75.9%* | *60-140* | | | | | *08/18/2022 07:38* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *83.5%* | *60-140* | | | | | *08/18/2022 07:38* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *110%* | *60-140* | | | | | *08/18/2022 07:38* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *10.8% S* | *60-140* | | | | | *08/18/2022 07:38* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-REF-1
Lab Sample ID: 22F4225-92
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <17.5B, U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/12/2022 14:23 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | <17.5B, U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/12/2022 14:23 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *213% S* | *60-140* | | | | | *08/12/2022 14:23* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *256% S* | *60-140* | | | | | *08/12/2022 14:23* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *9.59% S* | *60-140* | | | | | *08/12/2022 14:23* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <30.6U | ug/kg dry | 1 | 30.6 | 30.6 | BFG2416 | 08/19/2022 20:55 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *128%* | *60-140* | | | | | *08/19/2022 20:55* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *77.3%* | *60-140* | | | | | *08/19/2022 20:55* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.297U | mg/kg dry | 1 | 0.297 | 3.69 | BFH2148 | 08/18/2022 17:52 | TBB |
| EPA 200.8 | Arsenic | N | 23.1 | mg/kg dry | 1 | 0.454 | 1.85 | BFH2148 | 08/18/2022 17:52 | TBB |
| EPA 200.8 | Beryllium | N | <0.0369U | mg/kg dry | 1 | 0.0369 | 0.738 | BFH2148 | 08/23/2022 18:42 | TBB |
| EPA 200.8 | Cadmium | N | 0.360J | mg/kg dry | 1 | 0.117 | 3.69 | BFH2148 | 08/18/2022 17:52 | TBB |
| EPA 200.8 | Chromium | N | 0.951J | mg/kg dry | 1 | 0.271 | 11.1 | BFH2148 | 08/19/2022 12:58 | TBB |
| EPA 200.8 | Copper | N | 11.5 | mg/kg dry | 1 | 0.321 | 3.69 | BFH2148 | 08/19/2022 12:58 | TBB |
| Calc | Chromium (III) | | <15.2U | mg/kg (dry wt) dry | 1 | 15.2 | 53.2 | [CALC] | 08/19/2022 12:58 | EM |
| SW-7196 | Chromium (VI) | N | <14.9U | mg/kg (dry wt) dry | 1 | 14.9 | 42.1 | BFG2440 | 07/22/2022 17:42 | EM |
| SW-7471B | Mercury | A | <0.0369U | mg/kg dry | 1 | 0.0369 | 0.0738 | BFG3636 | 07/28/2022 17:27 | EM |
| EPA 200.8 | Lead | N | 0.673J | mg/kg dry | 1 | 0.279 | 1.85 | BFH2148 | 08/18/2022 17:52 | TBB |
| EPA 200.8 | Nickel | N | 1.71J | mg/kg dry | 1 | 0.0653 | 3.69 | BFH2148 | 08/19/2022 12:58 | TBB |
| EPA 200.8 | Selenium | N | <4.06U | mg/kg dry | 1 | 4.06 | 18.5 | BFH2148 | 08/23/2022 14:35 | TBB |
| EPA 200.8 | Silver | N | 0.315J | mg/kg dry | 1 | 0.0262 | 1.85 | BFH2148 | 08/23/2022 13:54 | TBB |
| EPA 200.8 | Thallium | N | <0.0255U | mg/kg dry | 1 | 0.0255 | 1.85 | BFH2148 | 08/18/2022 17:52 | TBB |
| EPA 200.8 | Zinc | N | 100 | mg/kg dry | 1 | 1.39 | 7.38 | BFH2148 | 08/19/2022 12:58 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.8 | % | 1 | 0.100 | 0.100 | BFG0299 | 07/06/2022 11:16 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-REF-1
Lab Sample ID: 22F4225-92RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <35.1 | U | ug/kg dry | 1 | 35.1 | 35.1 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <35.1 | U | ug/kg dry | 1 | 35.1 | 35.1 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | 31.9 | | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 888 | V | ug/kg dry | 1 | 35.1 | 35.1 | BFG2759 | 08/18/2022 08:13 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <17.5 | U | ug/kg dry | 1 | 17.5 | 17.5 | BFG2759 | 08/18/2022 08:13 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *17.5%* | *S* | *60-140* | | | | | *08/18/2022 08:13* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *69.0%* | | *60-140* | | | | | *08/18/2022 08:13* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *78.8%* | | *60-140* | | | | | *08/18/2022 08:13* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *92.0%* | | *60-140* | | | | | *08/18/2022 08:13* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *104%* | | *60-140* | | | | | *08/18/2022 08:13* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *21.3%* | *S* | *60-140* | | | | | *08/18/2022 08:13* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-REF-2
Lab Sample ID: 22F4225-93
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <35.7U | ug/kg dry | 1 | 35.7 | 35.7 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Acenaphthene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Acenaphthylene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Anthracene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <35.7U | ug/kg dry | 1 | 35.7 | 35.7 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <17.9B, U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Chrysene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 26.7V | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Fluoranthene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Fluorene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Naphthalene | A | 28.0 | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Phenanthrene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Phenol, Total | A | 344V | ug/kg dry | 1 | 35.7 | 35.7 | BFG2759 | 08/12/2022 14:58 | KRB |
| SW-8270 | Pyrene | A | <17.9U | ug/kg dry | 1 | 17.9 | 17.9 | BFG2759 | 08/12/2022 14:58 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *27.2% S* | *60-140* | | | | | *08/12/2022 14:58* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *94.5%* | *60-140* | | | | | *08/12/2022 14:58* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *124%* | *60-140* | | | | | *08/12/2022 14:58* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *70.1%* | *60-140* | | | | | *08/12/2022 14:58* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *84.7%* | *60-140* | | | | | *08/12/2022 14:58* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *18.1% S* | *60-140* | | | | | *08/12/2022 14:58* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <28.8U | ug/kg dry | 1 | 28.8 | 28.8 | BFG2416 | 08/19/2022 21:19 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *132%* | *60-140* | | | | | *08/19/2022 21:19* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *79.3%* | *60-140* | | | | | *08/19/2022 21:19* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.268U | mg/kg dry | 1 | 0.268 | 3.33 | BFH2148 | 08/18/2022 17:54 | TBB |
| EPA 200.8 | Arsenic | N | 24.3 | mg/kg dry | 1 | 0.410 | 1.66 | BFH2148 | 08/18/2022 17:54 | TBB |
| EPA 200.8 | Beryllium | N | <0.0333U | mg/kg dry | 1 | 0.0333 | 0.666 | BFH2148 | 08/23/2022 18:44 | TBB |
| EPA 200.8 | Cadmium | N | 0.368J | mg/kg dry | 1 | 0.105 | 3.33 | BFH2148 | 08/18/2022 17:54 | TBB |
| EPA 200.8 | Chromium | N | 0.622J | mg/kg dry | 1 | 0.245 | 9.99 | BFH2148 | 08/19/2022 13:01 | TBB |
| EPA 200.8 | Copper | N | 10.9 | mg/kg dry | 1 | 0.290 | 3.33 | BFH2148 | 08/19/2022 13:01 | TBB |
| Calc | Chromium (III) | | <14.5U | mg/kg (dry wt) dry | 1 | 14.5 | 50.3 | [CALC] | 08/19/2022 13:01 | EM |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-REF-2 (Continued)
Lab Sample ID: 22F4225-93
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| SW-7196 | Chromium (VI) | N | <14.3 | U | mg/kg (dry wt) dry | 1 | 14.3 | 40.3 | BFG2440 | 07/22/2022 17:44 | EM |
| EPA 200.8 | Lead | N | 0.609 | J | mg/kg dry | 1 | 0.251 | 1.66 | BFH2148 | 08/18/2022 17:54 | TBB |
| EPA 200.8 | Nickel | N | 1.61 | J | mg/kg dry | 1 | 0.0589 | 3.33 | BFH2148 | 08/19/2022 13:01 | TBB |
| EPA 200.8 | Selenium | N | <3.66 | U | mg/kg dry | 1 | 3.66 | 16.6 | BFH2148 | 08/23/2022 13:57 | TBB |
| EPA 200.8 | Silver | N | 0.256 | J | mg/kg dry | 1 | 0.0236 | 1.66 | BFH2148 | 08/23/2022 13:57 | TBB |
| EPA 200.8 | Thallium | N | <0.0230 | U | mg/kg dry | 1 | 0.0230 | 1.66 | BFH2148 | 08/18/2022 17:54 | TBB |
| EPA 200.8 | Zinc | N | 235 | | mg/kg dry | 5 | 6.25 | 33.3 | BFH2148 | 08/19/2022 13:41 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 13.0 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-REF-2
Lab Sample ID: 22F4225-93RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| SW-7471B | Mercury (Rerun) | A | <0.0379 | B, U | mg/kg dry | 1 | 0.0379 | 0.0759 | BFH2628 | 08/18/2022 20:30 | NAZ |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-REF-3
Lab Sample ID: 22F4225-94
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol | A | <37.3U | ug/kg dry | 1 | 37.3 | 37.3 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Acenaphthene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Acenaphthylene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Anthracene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Benzo(a)anthracene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | benzo(b&k)fluoranthene | A | <37.3U | ug/kg dry | 1 | 37.3 | 37.3 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Benzo(g,h,i)perylene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <18.7B, U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Chrysene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 44.3V | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Fluoranthene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Fluorene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Naphthalene | A | 27.6 | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Phenanthrene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Phenol, Total | A | 319V | ug/kg dry | 1 | 37.3 | 37.3 | BFG2759 | 08/12/2022 15:33 | KRB |
| SW-8270 | Pyrene | A | <18.7U | ug/kg dry | 1 | 18.7 | 18.7 | BFG2759 | 08/12/2022 15:33 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *26.1% S* | *60-140* | | | | | *08/12/2022 15:33* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *85.9%* | *60-140* | | | | | *08/12/2022 15:33* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *132%* | *60-140* | | | | | *08/12/2022 15:33* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *71.0%* | *60-140* | | | | | *08/12/2022 15:33* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *73.3%* | *60-140* | | | | | *08/12/2022 15:33* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *11.9% S* | *60-140* | | | | | *08/12/2022 15:33* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <30.1U | ug/kg dry | 1 | 30.1 | 30.1 | BFG2416 | 08/19/2022 21:43 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *128%* | *60-140* | | | | | *08/19/2022 21:43* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *75.2%* | *60-140* | | | | | *08/19/2022 21:43* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.292U | mg/kg dry | 1 | 0.292 | 3.63 | BFH2148 | 08/18/2022 17:56 | TBB |
| EPA 200.8 | Arsenic | N | 23.9 | mg/kg dry | 1 | 0.447 | 1.82 | BFH2148 | 08/18/2022 17:56 | TBB |
| EPA 200.8 | Beryllium | N | <0.0363U | mg/kg dry | 1 | 0.0363 | 0.727 | BFH2148 | 08/23/2022 18:47 | TBB |
| EPA 200.8 | Cadmium | N | 0.370J | mg/kg dry | 1 | 0.115 | 3.63 | BFH2148 | 08/18/2022 17:56 | TBB |
| EPA 200.8 | Chromium | N | 0.698J | mg/kg dry | 1 | 0.267 | 10.9 | BFH2148 | 08/19/2022 13:03 | TBB |
| EPA 200.8 | Copper | N | 12.0 | mg/kg dry | 1 | 0.316 | 3.63 | BFH2148 | 08/19/2022 13:03 | TBB |
| Calc | Chromium (III) | | <14.4U | mg/kg (dry wt) dry | 1 | 14.4 | 50.7 | [CALC] | 08/19/2022 13:03 | EM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-REF-3 (Continued)
Lab Sample ID: 22F4225-94
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total (Continued)** | | | | | | | | | | | |
| SW-7196 | Chromium (VI) | N | <14.1 | U | mg/kg (dry wt) dry | 1 | 14.1 | 39.8 | BFG2440 | 07/22/2022 17:47 | EM |
| SW-7471B | Mercury | A | <0.0381 | U | mg/kg dry | 1 | 0.0381 | 0.0762 | BFG3636 | 07/28/2022 17:31 | EM |
| EPA 200.8 | Lead | N | 0.583 | J | mg/kg dry | 1 | 0.274 | 1.82 | BFH2148 | 08/18/2022 17:56 | TBB |
| EPA 200.8 | Nickel | N | 1.46 | J | mg/kg dry | 1 | 0.0643 | 3.63 | BFH2148 | 08/19/2022 13:03 | TBB |
| EPA 200.8 | Selenium | N | <4.00 | U | mg/kg dry | 1 | 4.00 | 18.2 | BFH2148 | 08/23/2022 18:47 | TBB |
| EPA 200.8 | Silver | N | 0.253 | J | mg/kg dry | 1 | 0.0258 | 1.82 | BFH2148 | 08/23/2022 13:59 | TBB |
| EPA 200.8 | Thallium | N | <0.0251 | U | mg/kg dry | 1 | 0.0251 | 1.82 | BFH2148 | 08/18/2022 17:56 | TBB |
| EPA 200.8 | Zinc | N | 75.7 | | mg/kg dry | 1 | 1.36 | 7.27 | BFH2148 | 08/19/2022 13:03 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.7 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-REF-4
Lab Sample ID: 22F4225-95
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/12/2022 16:42 | KRB |
| SW-8270 | Acenaphthylene | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/12/2022 16:42 | KRB |
| SW-8270 | Anthracene | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/12/2022 16:42 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/12/2022 16:42 | KRB |
| SW-8270 | Fluorene | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/12/2022 16:42 | KRB |
| SW-8270 | Naphthalene | A | 30.0 | | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/12/2022 16:42 | KRB |
| SW-8270 | Phenanthrene | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/12/2022 16:42 | KRB |
| SW-8270 | Phenol, Total | A | 290 | V | ug/kg dry | 1 | 36.7 | 36.7 | BFG2759 | 08/12/2022 16:42 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *26.8%* | *S* | *60-140* | | | | | *08/12/2022 16:42* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *92.3%* | | *60-140* | | | | | *08/12/2022 16:42* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *145%* | *S* | *60-140* | | | | | *08/12/2022 16:42* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *56.9%* | *S* | *60-140* | | | | | *08/12/2022 16:42* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *60.3%* | | *60-140* | | | | | *08/12/2022 16:42* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *12.5%* | *S* | *60-140* | | | | | *08/12/2022 16:42* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <30.1 | U | ug/kg dry | 1 | 30.1 | 30.1 | BFG2416 | 08/19/2022 22:06 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *122%* | | *60-140* | | | | | *08/19/2022 22:06* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *80.1%* | | *60-140* | | | | | *08/19/2022 22:06* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.273 | U | mg/kg dry | 1 | 0.273 | 3.39 | BFH2148 | 08/18/2022 17:59 | TBB |
| EPA 200.8 | Arsenic | N | 23.2 | | mg/kg dry | 1 | 0.416 | 1.69 | BFH2148 | 08/18/2022 17:59 | TBB |
| EPA 200.8 | Beryllium | N | <0.0339 | U | mg/kg dry | 1 | 0.0339 | 0.677 | BFH2148 | 08/23/2022 18:49 | TBB |
| EPA 200.8 | Cadmium | N | 0.363 | J | mg/kg dry | 1 | 0.107 | 3.39 | BFH2148 | 08/18/2022 17:59 | TBB |
| EPA 200.8 | Chromium | N | 1.02 | J | mg/kg dry | 1 | 0.249 | 10.2 | BFH2148 | 08/19/2022 13:05 | TBB |
| EPA 200.8 | Copper | N | 12.6 | | mg/kg dry | 1 | 0.295 | 3.39 | BFH2148 | 08/19/2022 13:05 | TBB |
| Calc | Chromium (III) | | <13.3 | U | mg/kg (dry wt) dry | 1 | 13.3 | 46.9 | [CALC] | 08/19/2022 13:05 | EM |
| SW-7196 | Chromium (VI) | N | <13.0 | U | mg/kg (dry wt) dry | 1 | 13.0 | 36.7 | BFG2440 | 07/22/2022 17:49 | EM |
| SW-7471B | Mercury | A | <0.0365 | U | mg/kg dry | 1 | 0.0365 | 0.0731 | BFG3636 | 07/28/2022 17:34 | EM |
| EPA 200.8 | Lead | N | 0.665 | J | mg/kg dry | 1 | 0.256 | 1.69 | BFH2148 | 08/18/2022 17:59 | TBB |
| EPA 200.8 | Nickel | N | 1.54 | J | mg/kg dry | 1 | 0.0599 | 3.39 | BFH2148 | 08/19/2022 13:05 | TBB |
| EPA 200.8 | Selenium | N | <3.72 | U | mg/kg dry | 1 | 3.72 | 16.9 | BFH2148 | 08/23/2022 14:02 | TBB |
| EPA 200.8 | Silver | N | 0.251 | J | mg/kg dry | 1 | 0.0240 | 1.69 | BFH2148 | 08/23/2022 14:02 | TBB |
| EPA 200.8 | Thallium | N | <0.0234 | U | mg/kg dry | 1 | 0.0234 | 1.69 | BFH2148 | 08/18/2022 17:59 | TBB |
| EPA 200.8 | Zinc | N | 523 | | mg/kg dry | 10 | 12.7 | 67.7 | BFH2148 | 08/19/2022 13:43 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.9 | | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-REF-4
Lab Sample ID: 22F4225-95RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <36.7 | U | ug/kg dry | 1 | 36.7 | 36.7 | BFG2759 | 08/18/2022 08:48 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/18/2022 08:48 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <36.7 | U | ug/kg dry | 1 | 36.7 | 36.7 | BFG2759 | 08/18/2022 08:48 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/18/2022 08:48 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <18.3 | B, U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/18/2022 08:48 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/18/2022 08:48 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/18/2022 08:48 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 132 | V | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/18/2022 08:48 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/18/2022 08:48 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/18/2022 08:48 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <18.3 | U | ug/kg dry | 1 | 18.3 | 18.3 | BFG2759 | 08/18/2022 08:48 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *25.6%* | *S* | *60-140* | | | | | *08/18/2022 08:48* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *72.9%* | | *60-140* | | | | | *08/18/2022 08:48* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *77.2%* | | *60-140* | | | | | *08/18/2022 08:48* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *87.5%* | | *60-140* | | | | | *08/18/2022 08:48* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *96.0%* | | *60-140* | | | | | *08/18/2022 08:48* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *17.2%* | *S* | *60-140* | | | | | *08/18/2022 08:48* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-REF-5
Lab Sample ID: 22F4225-96
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | Acenaphthene | A | <19.3U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/12/2022 17:17 | KRB |
| SW-8270 | Acenaphthylene | A | <19.3U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/12/2022 17:17 | KRB |
| SW-8270 | Anthracene | A | <19.3U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/12/2022 17:17 | KRB |
| SW-8270 | Benzo(a)pyrene | A | <19.3U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/12/2022 17:17 | KRB |
| SW-8270 | Fluorene | A | <19.3U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/12/2022 17:17 | KRB |
| SW-8270 | Naphthalene | A | 37.0 | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/12/2022 17:17 | KRB |
| SW-8270 | Phenanthrene | A | <19.3U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/12/2022 17:17 | KRB |
| SW-8270 | Phenol, Total | A | 305V | ug/kg dry | 1 | 38.6 | 38.6 | BFG2759 | 08/12/2022 17:17 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *26.3% S* | *60-140* | | | | | *08/12/2022 17:17* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *87.0%* | *60-140* | | | | | *08/12/2022 17:17* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *140%* | *60-140* | | | | | *08/12/2022 17:17* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *41.5% S* | *60-140* | | | | | *08/12/2022 17:17* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *60.8%* | *60-140* | | | | | *08/12/2022 17:17* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *11.4% S* | *60-140* | | | | | *08/12/2022 17:17* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <31.5U | ug/kg dry | 1 | 31.5 | 31.5 | BFG2416 | 08/19/2022 22:29 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *119%* | *60-140* | | | | | *08/19/2022 22:29* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *73.6%* | *60-140* | | | | | *08/19/2022 22:29* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.290U | mg/kg dry | 1 | 0.290 | 3.61 | BFH2148 | 08/18/2022 18:01 | TBB |
| EPA 200.8 | Arsenic | N | 25.0 | mg/kg dry | 1 | 0.444 | 1.80 | BFH2148 | 08/18/2022 18:01 | TBB |
| EPA 200.8 | Beryllium | N | <0.0361U | mg/kg dry | 1 | 0.0361 | 0.721 | BFH2148 | 08/23/2022 18:52 | TBB |
| EPA 200.8 | Cadmium | N | 0.356J | mg/kg dry | 1 | 0.114 | 3.61 | BFH2148 | 08/18/2022 18:01 | TBB |
| EPA 200.8 | Chromium | N | 0.593J | mg/kg dry | 1 | 0.265 | 10.8 | BFH2148 | 08/19/2022 13:08 | TBB |
| EPA 200.8 | Copper | N | 12.4 | mg/kg dry | 1 | 0.314 | 3.61 | BFH2148 | 08/19/2022 13:08 | TBB |
| Calc | Chromium (III) | | <14.3U | mg/kg (dry wt) dry | 1 | 14.3 | 50.6 | [CALC] | 08/19/2022 13:08 | EM |
| SW-7196 | Chromium (VI) | N | <14.1U | mg/kg (dry wt) dry | 1 | 14.1 | 39.8 | BFG2440 | 07/22/2022 17:51 | EM |
| SW-7471B | Mercury | A | <0.0343U | mg/kg dry | 1 | 0.0343 | 0.0685 | BFG3636 | 07/28/2022 17:37 | EM |
| EPA 200.8 | Lead | N | 0.738J | mg/kg dry | 1 | 0.272 | 1.80 | BFH2148 | 08/18/2022 18:01 | TBB |
| EPA 200.8 | Nickel | N | 1.50J | mg/kg dry | 1 | 0.0638 | 3.61 | BFH2148 | 08/19/2022 13:08 | TBB |
| EPA 200.8 | Selenium | N | <3.97U | mg/kg dry | 1 | 3.97 | 18.0 | BFH2148 | 08/23/2022 14:04 | TBB |
| EPA 200.8 | Silver | N | 0.308J | mg/kg dry | 1 | 0.0256 | 1.80 | BFH2148 | 08/23/2022 14:04 | TBB |
| EPA 200.8 | Thallium | N | <0.0249U | mg/kg dry | 1 | 0.0249 | 1.80 | BFH2148 | 08/18/2022 18:01 | TBB |
| EPA 200.8 | Zinc | N | 80.2 | mg/kg dry | 1 | 1.35 | 7.21 | BFH2148 | 08/19/2022 13:08 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SM 2540 G | % Solids | N | 12.4 | % | 1 | 0.100 | 0.100 | BFG0301 | 07/06/2022 11:36 | SSM |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Sample Results
**(Continued)**

Client Sample ID: NV-HI-REF-5
Lab Sample ID: 22F4225-96RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/15/2022 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <38.6 | U | ug/kg dry | 1 | 38.6 | 38.6 | BFG2759 | 08/18/2022 09:23 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <19.3 | U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/18/2022 09:23 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <38.6 | U | ug/kg dry | 1 | 38.6 | 38.6 | BFG2759 | 08/18/2022 09:23 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <19.3 | U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/18/2022 09:23 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <19.3 | B, U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/18/2022 09:23 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <19.3 | U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/18/2022 09:23 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <19.3 | U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/18/2022 09:23 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 270 | V | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/18/2022 09:23 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <19.3 | U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/18/2022 09:23 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <19.3 | U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/18/2022 09:23 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <19.3 | U | ug/kg dry | 1 | 19.3 | 19.3 | BFG2759 | 08/18/2022 09:23 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *27.0%* | *S* | *60-140* | | | | | *08/18/2022 09:23* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *65.9%* | | *60-140* | | | | | *08/18/2022 09:23* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *84.2%* | | *60-140* | | | | | *08/18/2022 09:23* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *90.9%* | | *60-140* | | | | | *08/18/2022 09:23* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *99.1%* | | *60-140* | | | | | *08/18/2022 09:23* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *15.2%* | *S* | *60-140* | | | | | *08/18/2022 09:23* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

# Quality Control

## Semivolatile Organic Compounds by GCMS

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2349 - SW-3570*** | | | | | | | | | | |
| **Blank (BFG2349-BLK1)** | | | | Prepared: 7/19/2022 Analyzed: 8/15/2022 | | | | | | |
| 4-Nitrophenol | <4.86 | U | 4.86 | ug/kg wet | | | | | | |
| Acenaphthene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Acenaphthylene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Anthracene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Benzo(a)anthracene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Benzo(a)pyrene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| benzo(b&k)fluoranthene | <4.86 | U | 4.86 | ug/kg wet | | | | | | |
| Benzo(g,h,i)perylene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Bis(2-ethylhexyl )phthalate | 78.7 | | 2.43 | ug/kg wet | | | | | | |
| Chrysene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Dibenzo(a,h)anthracene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Di-n-butyl phthalate | 7.90 | | 2.43 | ug/kg wet | | | | | | |
| Fluoranthene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Fluorene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Indeno(1,2,3-cd) pyrene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Naphthalene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Phenanthrene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Phenol, Total | 55.8 | | 4.86 | ug/kg wet | | | | | | |
| Pyrene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *4.06* | *ug/kg wet* | *77.8* | | *5.21* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *25.6* | *ug/kg wet* | *38.9* | | *65.7* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *51.0* | *ug/kg wet* | *77.8* | | *65.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *32.8* | *ug/kg wet* | *38.9* | | *84.3* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *85.7* | *ug/kg wet* | *77.8* | | *110* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *20.1* | *ug/kg wet* | *38.9* | | *51.6* | *60-140* | | |
| **Blank (BFG2349-BLK2)** | | | | Prepared: 7/19/2022 Analyzed: 8/3/2022 | | | | | | |
| Acenaphthylene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Anthracene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| Phenanthrene | <2.43 | U | 2.43 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *5.11* | *ug/kg wet* | *77.8* | | *6.56* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *19.2* | *ug/kg wet* | *38.9* | | *49.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *47.3* | *ug/kg wet* | *77.8* | | *60.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *58.8* | *ug/kg wet* | *38.9* | | *151* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *87.2* | *ug/kg wet* | *77.8* | | *112* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *12.5* | *ug/kg wet* | *38.9* | | *32.1* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2349 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BS SV (BFG2349-BS1)** | | | | | Prepared: 7/19/2022 Analyzed: 8/15/2022 | | | | | |
| 4-Nitrophenol | 87.6 | J1 | 4.78 | ug/kg wet | 191 | | 45.8 | 60-140 | | |
| Acenaphthene | 23.8 | | 2.39 | ug/kg wet | 38.2 | | 62.3 | 60-140 | | |
| Acenaphthylene | 28.3 | | 2.39 | ug/kg wet | 38.2 | | 74.0 | 60-140 | | |
| Anthracene | 17.1 | J1 | 2.39 | ug/kg wet | 38.2 | | 44.6 | 60-140 | | |
| Benzo(a)anthracene | 13.0 | J1 | 2.39 | ug/kg wet | 38.2 | | 33.9 | 60-140 | | |
| Benzo(a)pyrene | 12.3 | J1 | 2.39 | ug/kg wet | 38.2 | | 32.1 | 60-140 | | |
| benzo(b&k)fluoranthene | 27.7 | J1 | 4.78 | ug/kg wet | 76.5 | | 36.2 | 60-140 | | |
| Benzo(g,h,i)perylene | 17.3 | J1 | 2.39 | ug/kg wet | 38.2 | | 45.3 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 45.2 | | 2.39 | ug/kg wet | 38.2 | | 118 | 60-140 | | |
| Chrysene | 11.9 | J1 | 2.39 | ug/kg wet | 38.2 | | 31.1 | 60-140 | | |
| Dibenzo(a,h)anthracene | 16.4 | J1 | 2.39 | ug/kg wet | 38.2 | | 42.9 | 60-140 | | |
| Di-n-butyl phthalate | 25.9 | | 2.39 | ug/kg wet | 38.2 | | 67.8 | 60-140 | | |
| Fluoranthene | 17.6 | J1 | 2.39 | ug/kg wet | 38.2 | | 46.0 | 60-140 | | |
| Fluorene | 21.9 | J1 | 2.39 | ug/kg wet | 38.2 | | 57.2 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 16.9 | J1 | 2.39 | ug/kg wet | 38.2 | | 44.2 | 60-140 | | |
| Naphthalene | 25.4 | | 2.39 | ug/kg wet | 38.2 | | 66.4 | 60-140 | | |
| Phenanthrene | 18.4 | J1 | 2.39 | ug/kg wet | 38.2 | | 48.2 | 60-140 | | |
| Phenol, Total | 98.7 | | 4.78 | ug/kg wet | 76.5 | | 129 | 60-140 | | |
| Pyrene | 10.6 | J1 | 2.39 | ug/kg wet | 38.2 | | 27.8 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | *S* | | *4.69* | *ug/kg wet* | *76.5* | | *6.13* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | *S* | | *14.6* | *ug/kg wet* | *38.2* | | *38.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *46.7* | *ug/kg wet* | *76.5* | | *61.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *26.8* | *ug/kg wet* | *38.2* | | *70.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *72.0* | *ug/kg wet* | *76.5* | | *94.1* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | *S* | | *10.8* | *ug/kg wet* | *38.2* | | *28.3* | *60-140* | | |
| **LCS (BFG2349-BS2)** | | | | | Prepared: 7/19/2022 Analyzed: 8/3/2022 | | | | | |
| Acenaphthylene | 23.9 | | 2.39 | ug/kg wet | 38.2 | | 62.4 | 60-140 | | |
| Anthracene | 15.2 | J1 | 2.39 | ug/kg wet | 38.2 | | 39.7 | 60-140 | | |
| Phenanthrene | 16.6 | J1 | 2.39 | ug/kg wet | 38.2 | | 43.3 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | *S* | | *5.98* | *ug/kg wet* | *76.5* | | *7.82* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | *S* | | *14.8* | *ug/kg wet* | *38.2* | | *38.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *49.6* | *ug/kg wet* | *76.5* | | *64.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *31.3* | *ug/kg wet* | *38.2* | | *81.8* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *103* | *ug/kg wet* | *76.5* | | *135* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | *S* | | *8.46* | *ug/kg wet* | *38.2* | | *22.1* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2349 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD SV (BFG2349-BSD1)** | | | | Prepared: 7/19/2022 Analyzed: 8/15/2022 | | | | | | |
| 4-Nitrophenol | 85.6 | J1 | 4.78 | ug/kg wet | 191 | | 44.7 | 60-140 | 2.34 | 40 |
| Acenaphthene | 27.0 | | 2.39 | ug/kg wet | 38.2 | | 70.6 | 60-140 | 12.5 | 40 |
| Acenaphthylene | 31.6 | | 2.39 | ug/kg wet | 38.2 | | 82.7 | 60-140 | 11.1 | 40 |
| Anthracene | 19.3 | J1 | 2.39 | ug/kg wet | 38.2 | | 50.4 | 60-140 | 12.2 | 40 |
| Benzo(a)anthracene | 16.4 | J1 | 2.39 | ug/kg wet | 38.2 | | 42.8 | 60-140 | 23.4 | 40 |
| Benzo(a)pyrene | 15.3 | J1 | 2.39 | ug/kg wet | 38.2 | | 40.1 | 60-140 | 22.0 | 40 |
| benzo(b&k)fluoranthene | 33.6 | J1 | 4.78 | ug/kg wet | 76.5 | | 43.9 | 60-140 | 19.3 | 40 |
| Benzo(g,h,i)perylene | 19.2 | J1 | 2.39 | ug/kg wet | 38.2 | | 50.2 | 60-140 | 10.3 | 40 |
| Bis(2-ethylhexyl )phthalate | 45.9 | | 2.39 | ug/kg wet | 38.2 | | 120 | 60-140 | 1.63 | 40 |
| Chrysene | 13.8 | J1 | 2.39 | ug/kg wet | 38.2 | | 36.2 | 60-140 | 15.2 | 40 |
| Dibenzo(a,h)anthracene | 18.2 | J1 | 2.39 | ug/kg wet | 38.2 | | 47.5 | 60-140 | 10.3 | 40 |
| Di-n-butyl phthalate | 29.0 | | 2.39 | ug/kg wet | 38.2 | | 75.9 | 60-140 | 11.3 | 40 |
| Fluoranthene | 20.5 | J1 | 2.39 | ug/kg wet | 38.2 | | 53.6 | 60-140 | 15.2 | 40 |
| Fluorene | 24.4 | | 2.39 | ug/kg wet | 38.2 | | 63.7 | 60-140 | 10.8 | 40 |
| Indeno(1,2,3-cd) pyrene | 18.8 | J1 | 2.39 | ug/kg wet | 38.2 | | 49.1 | 60-140 | 10.5 | 40 |
| Naphthalene | 27.7 | | 2.39 | ug/kg wet | 38.2 | | 72.5 | 60-140 | 8.73 | 40 |
| Phenanthrene | 20.8 | J1 | 2.39 | ug/kg wet | 38.2 | | 54.3 | 60-140 | 11.9 | 40 |
| Phenol, Total | 101 | | 4.78 | ug/kg wet | 76.5 | | 132 | 60-140 | 1.87 | 40 |
| Pyrene | 11.8 | J1 | 2.39 | ug/kg wet | 38.2 | | 30.9 | 60-140 | 10.7 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *5.77* | *ug/kg wet* | *76.5* | | *7.55* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *16.6* | *ug/kg wet* | *38.2* | | *43.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *53.7* | *ug/kg wet* | *76.5* | | *70.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *30.2* | *ug/kg wet* | *38.2* | | *78.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *78.9* | *ug/kg wet* | *76.5* | | *103* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *11.9* | *ug/kg wet* | *38.2* | | *31.2* | *60-140* | | |
| **LCS Dup (BFG2349-BSD2)** | | | | Prepared: 7/19/2022 Analyzed: 8/3/2022 | | | | | | |
| Acenaphthylene | 26.5 | | 2.39 | ug/kg wet | 38.2 | | 69.3 | 60-140 | 10.5 | 40 |
| Anthracene | 16.1 | J1 | 2.39 | ug/kg wet | 38.2 | | 42.1 | 60-140 | 5.84 | 40 |
| Phenanthrene | 17.7 | J1 | 2.39 | ug/kg wet | 38.2 | | 46.4 | 60-140 | 6.92 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *8.98* | *ug/kg wet* | *76.5* | | *11.7* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *15.8* | *ug/kg wet* | *38.2* | | *41.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *56.7* | *ug/kg wet* | *76.5* | | *74.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *45.1* | *ug/kg wet* | *38.2* | | *118* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *114* | *ug/kg wet* | *76.5* | | *148* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *9.90* | *ug/kg wet* | *38.2* | | *25.9* | *60-140* | | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2349 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFG2349-MRL1)** | | | | Prepared: 7/19/2022 Analyzed: 8/15/2022 | | | | | | |
| 4-Nitrophenol | 17.6 | | 4.40 | ug/kg wet | 17.6 | | 100 | 50-150 | | |
| Acenaphthene | 4.24 | | 2.20 | ug/kg wet | 3.52 | | 120 | 50-150 | | |
| Acenaphthylene | 4.29 | | 2.20 | ug/kg wet | 3.52 | | 122 | 50-150 | | |
| Anthracene | 3.06 | | 2.20 | ug/kg wet | 3.52 | | 86.9 | 50-150 | | |
| Benzo(a)anthracene | <2.20 | J1, U | 2.20 | ug/kg wet | 3.52 | | | 50-150 | | |
| Benzo(a)pyrene | <2.20 | J1, U | 2.20 | ug/kg wet | 3.52 | | | 50-150 | | |
| benzo(b&k)fluoranthene | <4.40 | J1, U | 4.40 | ug/kg wet | 7.04 | | | 50-150 | | |
| Benzo(g,h,i)perylene | <2.20 | J1, U | 2.20 | ug/kg wet | 3.52 | | | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 70.1 | J1 | 2.20 | ug/kg wet | 3.52 | | NR | 50-150 | | |
| Chrysene | <2.20 | J1, U | 2.20 | ug/kg wet | 3.52 | | | 50-150 | | |
| Dibenzo(a,h)anthracene | <2.20 | J1, U | 2.20 | ug/kg wet | 3.52 | | | 50-150 | | |
| Di-n-butyl phthalate | 10.2 | J1 | 2.20 | ug/kg wet | 3.52 | | 289 | 50-150 | | |
| Fluoranthene | 2.31 | | 2.20 | ug/kg wet | 3.52 | | 65.7 | 50-150 | | |
| Fluorene | 3.80 | | 2.20 | ug/kg wet | 3.52 | | 108 | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | <2.20 | J1, U | 2.20 | ug/kg wet | 3.52 | | | 50-150 | | |
| Naphthalene | 6.49 | J1 | 2.20 | ug/kg wet | 3.52 | | 184 | 50-150 | | |
| Phenanthrene | 3.01 | | 2.20 | ug/kg wet | 3.52 | | 85.4 | 50-150 | | |
| Phenol, Total | 58.9 | J1 | 4.40 | ug/kg wet | 7.04 | | 836 | 50-150 | | |
| Pyrene | <2.20 | J1, U | 2.20 | ug/kg wet | 3.52 | | | 50-150 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *16.9* | *ug/kg wet* | *70.4* | | *23.9* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *29.9* | *ug/kg wet* | *35.2* | | *84.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *53.3* | *ug/kg wet* | *70.4* | | *75.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *32.9* | *ug/kg wet* | *35.2* | | *93.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *84.3* | *ug/kg wet* | *70.4* | | *120* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *12.0* | *ug/kg wet* | *35.2* | | *34.0* | *60-140* | | |
| **MRL Check (BFG2349-MRL2)** | | | | Prepared: 7/19/2022 Analyzed: 8/3/2022 | | | | | | |
| Acenaphthylene | 4.75 | | 2.20 | ug/kg wet | 3.52 | | 135 | 50-150 | | |
| Anthracene | <2.20 | J1, U | 2.20 | ug/kg wet | 3.52 | | | 50-150 | | |
| Phenanthrene | 2.57 | | 2.20 | ug/kg wet | 3.52 | | 73.0 | 50-150 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *21.9* | *ug/kg wet* | *70.4* | | *31.1* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *25.0* | *ug/kg wet* | *35.2* | | *71.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *48.0* | *ug/kg wet* | *70.4* | | *68.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *54.4* | *ug/kg wet* | *35.2* | | *155* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *89.1* | *ug/kg wet* | *70.4* | | *127* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *11.4* | *ug/kg wet* | *35.2* | | *32.3* | *60-140* | | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2349 - SW-3570 (Continued)*** | | | | | | | | | | |
| **22F4225-41 MS (BFG2349-MS1)** | | **Source: 22F4225-41** | | Prepared: 7/19/2022 Analyzed: 8/15/2022 | | | | | | |
| 4-Nitrophenol | 599 | J1 | 26.6 | ug/kg dry | 1060 | <26.6 | 56.4 | 60-140 | | |
| Acenaphthene | 183 | | 13.3 | ug/kg dry | 213 | <13.3 | 86.3 | 60-140 | | |
| Acenaphthylene | 127 | J1 | 13.3 | ug/kg dry | 213 | <13.3 | 59.6 | 60-140 | | |
| Anthracene | 189 | | 13.3 | ug/kg dry | 213 | <13.3 | 88.8 | 60-140 | | |
| Benzo(a)anthracene | 25.8 | J1 | 13.3 | ug/kg dry | 213 | <13.3 | 12.2 | 60-140 | | |
| Benzo(a)pyrene | <13.3 | J1, U | 13.3 | ug/kg dry | 213 | <13.3 | | 60-140 | | |
| benzo(b&k)fluoranthene | <26.6 | J1, U | 26.6 | ug/kg dry | 425 | <26.6 | | 60-140 | | |
| Benzo(g,h,i)perylene | 14.3 | J1 | 13.3 | ug/kg dry | 213 | <13.3 | 6.71 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | <13.3 | J1, U | 13.3 | ug/kg dry | 213 | <13.3 | | 60-140 | | |
| Chrysene | 18.0 | J1 | 13.3 | ug/kg dry | 213 | <13.3 | 8.49 | 60-140 | | |
| Dibenzo(a,h)anthracene | 22.6 | J1 | 13.3 | ug/kg dry | 213 | <13.3 | 10.6 | 60-140 | | |
| Di-n-butyl phthalate | 465 | J1 | 13.3 | ug/kg dry | 213 | 18.2 | 210 | 60-140 | | |
| Fluoranthene | <13.3 | J1, U | 13.3 | ug/kg dry | 213 | <13.3 | | 60-140 | | |
| Fluorene | 168 | | 13.3 | ug/kg dry | 213 | <13.3 | 78.9 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 21.9 | J1 | 13.3 | ug/kg dry | 213 | <13.3 | 10.3 | 60-140 | | |
| Naphthalene | 187 | | 13.3 | ug/kg dry | 213 | <13.3 | 87.9 | 60-140 | | |
| Phenanthrene | <13.3 | J1, U | 13.3 | ug/kg dry | 213 | <13.3 | | 60-140 | | |
| Phenol, Total | 766 | | 26.6 | ug/kg dry | 425 | 231 | 126 | 60-140 | | |
| Pyrene | 42.9 | J1 | 13.3 | ug/kg dry | 213 | <13.3 | 20.2 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *158* | *ug/kg dry* | *425* | | *37.2* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *135* | *ug/kg dry* | *213* | | *63.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *303* | *ug/kg dry* | *425* | | *71.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *154* | *ug/kg dry* | *213* | | *72.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *405* | *ug/kg dry* | *425* | | *95.2* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *18.4* | *ug/kg dry* | *213* | | *8.65* | *60-140* | | |
| **Matrix Spike (BFG2349-MS2)** | | **Source: 22F4225-41RE1** | | Prepared: 7/19/2022 Analyzed: 8/3/2022 | | | | | | |
| Acenaphthylene | 233 | | 13.3 | ug/kg dry | 213 | <13.3 | 110 | 60-140 | | |
| Anthracene | 171 | | 13.3 | ug/kg dry | 213 | <13.3 | 80.3 | 60-140 | | |
| Phenanthrene | 137 | | 13.3 | ug/kg dry | 213 | <13.3 | 64.2 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *202* | *ug/kg dry* | *425* | | *47.6* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *183* | *ug/kg dry* | *213* | | *86.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *400* | *ug/kg dry* | *425* | | *94.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *357* | *ug/kg dry* | *213* | | *168* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *695* | *ug/kg dry* | *425* | | *163* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *28.7* | *ug/kg dry* | *213* | | *13.5* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2349 - SW-3570 (Continued)*** | | | | | | | | | | |
| **22F4225-41 MSD (BFG2349-MSD1)** | **Source: 22F4225-41** | | | Prepared: 7/19/2022 Analyzed: 8/15/2022 | | | | | | |
| 4-Nitrophenol | 680 | | 25.9 | ug/kg dry | 1040 | <25.9 | 65.6 | 60-140 | 12.6 | 40 |
| Acenaphthene | 178 | | 13.0 | ug/kg dry | 207 | <13.0 | 86.0 | 60-140 | 2.91 | 40 |
| Acenaphthylene | 212 | J1 | 13.0 | ug/kg dry | 207 | <13.0 | 102 | 60-140 | 50.3 | 40 |
| Anthracene | 126 | | 13.0 | ug/kg dry | 207 | <13.0 | 60.8 | 60-140 | 39.9 | 40 |
| Benzo(a)anthracene | 35.8 | J1 | 13.0 | ug/kg dry | 207 | <13.0 | 17.3 | 60-140 | 32.2 | 40 |
| Benzo(a)pyrene | 16.3 | J1 | 13.0 | ug/kg dry | 207 | <13.0 | 7.85 | 60-140 | 200 | 40 |
| benzo(b&k)fluoranthene | <25.9 | J1, U | 25.9 | ug/kg dry | 414 | <25.9 | | 60-140 | | 40 |
| Benzo(g,h,i)perylene | 15.6 | J1 | 13.0 | ug/kg dry | 207 | <13.0 | 7.54 | 60-140 | 200 | 40 |
| Bis(2-ethylhexyl )phthalate | <13.0 | J1, U | 13.0 | ug/kg dry | 207 | <13.0 | | 60-140 | | 40 |
| Chrysene | 17.9 | J1 | 13.0 | ug/kg dry | 207 | <13.0 | 8.65 | 60-140 | 0.688 | 40 |
| Dibenzo(a,h)anthracene | 22.0 | J1 | 13.0 | ug/kg dry | 207 | <13.0 | 10.6 | 60-140 | 2.73 | 40 |
| Di-n-butyl phthalate | 151 | J1 | 13.0 | ug/kg dry | 207 | 18.2 | 64.2 | 60-140 | 102 | 40 |
| Fluoranthene | 46.0 | J1 | 13.0 | ug/kg dry | 207 | <13.0 | 22.2 | 60-140 | 200 | 40 |
| Fluorene | 162 | | 13.0 | ug/kg dry | 207 | <13.0 | 78.1 | 60-140 | 3.50 | 40 |
| Indeno(1,2,3-cd) pyrene | 21.4 | J1 | 13.0 | ug/kg dry | 207 | <13.0 | 10.3 | 60-140 | 2.17 | 40 |
| Naphthalene | 190 | | 13.0 | ug/kg dry | 207 | <13.0 | 91.5 | 60-140 | 1.54 | 40 |
| Phenanthrene | 129 | J1 | 13.0 | ug/kg dry | 207 | <13.0 | 62.1 | 60-140 | 200 | 40 |
| Phenol, Total | 661 | | 25.9 | ug/kg dry | 414 | 231 | 104 | 60-140 | 14.7 | 40 |
| Pyrene | 39.9 | J1 | 13.0 | ug/kg dry | 207 | <13.0 | 19.3 | 60-140 | 7.26 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *179* | *ug/kg dry* | *414* | | *43.1* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *154* | *ug/kg dry* | *207* | | *74.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *324* | *ug/kg dry* | *414* | | *78.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *168* | *ug/kg dry* | *207* | | *81.3* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *425* | *ug/kg dry* | *414* | | *102* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *22.8* | *ug/kg dry* | *207* | | *11.0* | *60-140* | | |
| **Matrix Spike Dup (BFG2349-MSD2)** | **Source: 22F4225-41RE1** | | | Prepared: 7/19/2022 Analyzed: 8/3/2022 | | | | | | |
| Acenaphthylene | 231 | | 13.0 | ug/kg dry | 207 | <13.0 | 112 | 60-140 | 0.645 | 40 |
| Anthracene | 131 | | 13.0 | ug/kg dry | 207 | <13.0 | 63.4 | 60-140 | 26.1 | 40 |
| Phenanthrene | 124 | J1 | 13.0 | ug/kg dry | 207 | <13.0 | 59.7 | 60-140 | 9.91 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *205* | *ug/kg dry* | *414* | | *49.6* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *192* | *ug/kg dry* | *207* | | *92.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *483* | *ug/kg dry* | *414* | | *117* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *354* | *ug/kg dry* | *207* | | *171* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *731* | *ug/kg dry* | *414* | | *176* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *37.5* | *ug/kg dry* | *207* | | *18.1* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2359 - SW-3570*** | | | | | | | | | | |
| **Blank (BFG2359-BLK1)** | | | | Prepared: 7/19/2022 Analyzed: 8/2/2022 | | | | | | |
| 4-Nitrophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| Acenaphthene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Acenaphthylene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Anthracene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(a)anthracene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(a)pyrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| benzo(b&k)fluoranthene | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| Benzo(g,h,i)perylene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Bis(2-ethylhexyl )phthalate | 30.1 | | 2.50 | ug/kg wet | | | | | | |
| Chrysene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Dibenzo(a,h)anthracene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Di-n-butyl phthalate | 3.42 | | 2.50 | ug/kg wet | | | | | | |
| Fluoranthene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Fluorene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Indeno(1,2,3-cd) pyrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Naphthalene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Phenanthrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Phenol, Total | 14.6 | | 5.00 | ug/kg wet | | | | | | |
| Pyrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *29.9* | *ug/kg wet* | *80.0* | | *37.3* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *22.6* | *ug/kg wet* | *40.0* | | *56.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *77.0* | *ug/kg wet* | *80.0* | | *96.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *37.4* | *ug/kg wet* | *40.0* | | *93.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *102* | *ug/kg wet* | *80.0* | | *128* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *16.5* | *ug/kg wet* | *40.0* | | *41.3* | *60-140* | | |
| **BS SV (BFG2359-BS1)** | | | | Prepared: 7/19/2022 Analyzed: 8/2/2022 | | | | | | |
| 4-Nitrophenol | 145 | | 4.89 | ug/kg wet | 196 | | 74.3 | 60-140 | | |
| Acenaphthene | 23.9 | | 2.45 | ug/kg wet | 39.1 | | 61.0 | 60-140 | | |
| Acenaphthylene | 22.3 | J1 | 2.45 | ug/kg wet | 39.1 | | 57.0 | 60-140 | | |
| Anthracene | 18.1 | J1 | 2.45 | ug/kg wet | 39.1 | | 46.3 | 60-140 | | |
| Benzo(a)anthracene | 26.3 | | 2.45 | ug/kg wet | 39.1 | | 67.2 | 60-140 | | |
| Benzo(a)pyrene | 18.0 | J1 | 2.45 | ug/kg wet | 39.1 | | 46.0 | 60-140 | | |
| benzo(b&k)fluoranthene | 51.5 | | 4.89 | ug/kg wet | 78.3 | | 65.8 | 60-140 | | |
| Benzo(g,h,i)perylene | 5.50 | J1 | 2.45 | ug/kg wet | 39.1 | | 14.1 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 69.6 | J1 | 2.45 | ug/kg wet | 39.1 | | 178 | 60-140 | | |
| Chrysene | 19.0 | J1 | 2.45 | ug/kg wet | 39.1 | | 48.5 | 60-140 | | |
| Dibenzo(a,h)anthracene | 7.66 | J1 | 2.45 | ug/kg wet | 39.1 | | 19.6 | 60-140 | | |
| Di-n-butyl phthalate | 26.7 | | 2.45 | ug/kg wet | 39.1 | | 68.1 | 60-140 | | |
| Fluoranthene | 17.9 | J1 | 2.45 | ug/kg wet | 39.1 | | 45.8 | 60-140 | | |
| Fluorene | 21.6 | J1 | 2.45 | ug/kg wet | 39.1 | | 55.2 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 6.88 | J1 | 2.45 | ug/kg wet | 39.1 | | 17.6 | 60-140 | | |
| Naphthalene | 21.8 | J1 | 2.45 | ug/kg wet | 39.1 | | 55.6 | 60-140 | | |
| Phenanthrene | 22.2 | J1 | 2.45 | ug/kg wet | 39.1 | | 56.8 | 60-140 | | |
| Phenol, Total | 75.3 | | 4.89 | ug/kg wet | 78.3 | | 96.2 | 60-140 | | |
| Pyrene | 13.3 | J1 | 2.45 | ug/kg wet | 39.1 | | 34.1 | 60-140 | | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2359 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BS SV (BFG2359-BS1)** | | | | Prepared: 7/19/2022 Analyzed: 8/2/2022 | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *21.9* | *ug/kg wet* | *78.3* | | *28.0* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *18.8* | *ug/kg wet* | *39.1* | | *48.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *39.7* | *ug/kg wet* | *78.3* | | *50.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *41.4* | *ug/kg wet* | *39.1* | | *106* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *71.6* | *ug/kg wet* | *78.3* | | *91.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *13.5* | *ug/kg wet* | *39.1* | | *34.5* | *60-140* | | |
| **BSD SV (BFG2359-BSD1)** | | | | Prepared: 7/19/2022 Analyzed: 8/2/2022 | | | | | | |
| 4-Nitrophenol | 161 | | 4.79 | ug/kg wet | 192 | | 83.8 | 60-140 | 9.93 | 40 |
| Acenaphthene | 25.0 | | 2.39 | ug/kg wet | 38.3 | | 65.2 | 60-140 | 4.48 | 40 |
| Acenaphthylene | 25.5 | | 2.39 | ug/kg wet | 38.3 | | 66.6 | 60-140 | 13.4 | 40 |
| Anthracene | 21.9 | J1 | 2.39 | ug/kg wet | 38.3 | | 57.2 | 60-140 | 19.0 | 40 |
| Benzo(a)anthracene | 32.4 | | 2.39 | ug/kg wet | 38.3 | | 84.6 | 60-140 | 20.8 | 40 |
| Benzo(a)pyrene | 17.8 | J1 | 2.39 | ug/kg wet | 38.3 | | 46.4 | 60-140 | 1.32 | 40 |
| benzo(b&k)fluoranthene | 54.9 | | 4.79 | ug/kg wet | 76.6 | | 71.6 | 60-140 | 6.39 | 40 |
| Benzo(g,h,i)perylene | 4.10 | J1 | 2.39 | ug/kg wet | 38.3 | | 10.7 | 60-140 | 29.1 | 40 |
| Bis(2-ethylhexyl )phthalate | 78.0 | J1, L | 2.39 | ug/kg wet | 38.3 | | 204 | 60-140 | 11.3 | 40 |
| Chrysene | 23.2 | | 2.39 | ug/kg wet | 38.3 | | 60.7 | 60-140 | 20.2 | 40 |
| Dibenzo(a,h)anthracene | 6.18 | J1 | 2.39 | ug/kg wet | 38.3 | | 16.1 | 60-140 | 21.5 | 40 |
| Di-n-butyl phthalate | 25.1 | | 2.39 | ug/kg wet | 38.3 | | 65.5 | 60-140 | 6.02 | 40 |
| Fluoranthene | 19.9 | J1 | 2.39 | ug/kg wet | 38.3 | | 51.9 | 60-140 | 10.3 | 40 |
| Fluorene | 24.6 | | 2.39 | ug/kg wet | 38.3 | | 64.2 | 60-140 | 13.0 | 40 |
| Indeno(1,2,3-cd) pyrene | 5.46 | J1 | 2.39 | ug/kg wet | 38.3 | | 14.3 | 60-140 | 22.9 | 40 |
| Naphthalene | 23.8 | | 2.39 | ug/kg wet | 38.3 | | 62.0 | 60-140 | 8.71 | 40 |
| Phenanthrene | 24.5 | | 2.39 | ug/kg wet | 38.3 | | 64.0 | 60-140 | 9.72 | 40 |
| Phenol, Total | 81.3 | | 4.79 | ug/kg wet | 76.6 | | 106 | 60-140 | 7.68 | 40 |
| Pyrene | 15.5 | J1 | 2.39 | ug/kg wet | 38.3 | | 40.4 | 60-140 | 15.0 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *24.8* | *ug/kg wet* | *76.6* | | *32.4* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *24.0* | *ug/kg wet* | *38.3* | | *62.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *52.3* | *ug/kg wet* | *76.6* | | *68.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *50.7* | *ug/kg wet* | *38.3* | | *132* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *89.9* | *ug/kg wet* | *76.6* | | *117* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *13.6* | *ug/kg wet* | *38.3* | | *35.5* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2359 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFG2359-MRL1)** | | | | | Prepared: 7/19/2022 Analyzed: 8/2/2022 | | | | | |
| 4-Nitrophenol | <4.66 | J1, U | 4.66 | ug/kg wet | 18.7 | | | 50-150 | | |
| Acenaphthene | 2.54 | | 2.33 | ug/kg wet | 3.73 | | 68.1 | 50-150 | | |
| Acenaphthylene | 3.09 | | 2.33 | ug/kg wet | 3.73 | | 82.8 | 50-150 | | |
| Anthracene | <2.33 | J1, U | 2.33 | ug/kg wet | 3.73 | | | 50-150 | | |
| Benzo(a)anthracene | 3.62 | | 2.33 | ug/kg wet | 3.73 | | 97.0 | 50-150 | | |
| Benzo(a)pyrene | <2.33 | J1, U | 2.33 | ug/kg wet | 3.73 | | | 50-150 | | |
| benzo(b&k)fluoranthene | <4.66 | J1, U | 4.66 | ug/kg wet | 7.46 | | | 50-150 | | |
| Benzo(g,h,i)perylene | <2.33 | J1, U | 2.33 | ug/kg wet | 3.73 | | | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 57.0 | J1 | 2.33 | ug/kg wet | 3.73 | | NR | 50-150 | | |
| Chrysene | <2.33 | J1, U | 2.33 | ug/kg wet | 3.73 | | | 50-150 | | |
| Dibenzo(a,h)anthracene | <2.33 | J1, U | 2.33 | ug/kg wet | 3.73 | | | 50-150 | | |
| Di-n-butyl phthalate | 15.2 | J1 | 2.33 | ug/kg wet | 3.73 | | 407 | 50-150 | | |
| Fluoranthene | <2.33 | J1, U | 2.33 | ug/kg wet | 3.73 | | | 50-150 | | |
| Fluorene | 3.41 | | 2.33 | ug/kg wet | 3.73 | | 91.4 | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | <2.33 | J1, U | 2.33 | ug/kg wet | 3.73 | | | 50-150 | | |
| Naphthalene | <2.33 | J1, U | 2.33 | ug/kg wet | 3.73 | | | 50-150 | | |
| Phenanthrene | <2.33 | J1, U | 2.33 | ug/kg wet | 3.73 | | | 50-150 | | |
| Phenol, Total | 25.3 | J1 | 4.66 | ug/kg wet | 7.46 | | 339 | 50-150 | | |
| Pyrene | <2.33 | J1, U | 2.33 | ug/kg wet | 3.73 | | | 50-150 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *16.6* | *ug/kg wet* | *74.6* | | *22.2* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *18.2* | *ug/kg wet* | *37.3* | | *48.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *46.6* | *ug/kg wet* | *74.6* | | *62.4* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *43.8* | *ug/kg wet* | *37.3* | | *117* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *73.7* | *ug/kg wet* | *74.6* | | *98.8* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *7.87* | *ug/kg wet* | *37.3* | | *21.1* | *60-140* | | |
| **22F4225-01 MS (BFG2359-MS1)** | | **Source: 22F4225-01** | | | Prepared: 7/19/2022 Analyzed: 8/2/2022 | | | | | |
| 4-Nitrophenol | 1660 | | 49.1 | ug/kg dry | 1970 | <49.1 | 84.5 | 60-140 | | |
| Acenaphthene | 273 | | 24.6 | ug/kg dry | 393 | <24.6 | 69.4 | 60-140 | | |
| Acenaphthylene | 318 | | 24.6 | ug/kg dry | 393 | <24.6 | 80.9 | 60-140 | | |
| Anthracene | 238 | | 24.6 | ug/kg dry | 393 | <24.6 | 60.6 | 60-140 | | |
| Benzo(a)anthracene | 340 | | 24.6 | ug/kg dry | 393 | <24.6 | 86.5 | 60-140 | | |
| Benzo(a)pyrene | 310 | | 24.6 | ug/kg dry | 393 | <24.6 | 78.8 | 60-140 | | |
| benzo(b&k)fluoranthene | 513 | | 49.1 | ug/kg dry | 786 | <49.1 | 65.2 | 60-140 | | |
| Benzo(g,h,i)perylene | 90.7 | J1 | 24.6 | ug/kg dry | 393 | <24.6 | 23.1 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 155 | J1 | 24.6 | ug/kg dry | 393 | <24.6 | 39.4 | 60-140 | | |
| Chrysene | 161 | J1 | 24.6 | ug/kg dry | 393 | <24.6 | 41.0 | 60-140 | | |
| Dibenzo(a,h)anthracene | 83.3 | J1 | 24.6 | ug/kg dry | 393 | <24.6 | 21.2 | 60-140 | | |
| Di-n-butyl phthalate | 236 | J1 | 24.6 | ug/kg dry | 393 | 49.3 | 47.5 | 60-140 | | |
| Fluoranthene | 232 | J1 | 24.6 | ug/kg dry | 393 | <24.6 | 58.9 | 60-140 | | |
| Fluorene | 268 | | 24.6 | ug/kg dry | 393 | <24.6 | 68.1 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 70.6 | J1 | 24.6 | ug/kg dry | 393 | <24.6 | 18.0 | 60-140 | | |
| Naphthalene | 269 | | 24.6 | ug/kg dry | 393 | <24.6 | 68.4 | 60-140 | | |
| Phenanthrene | 289 | | 24.6 | ug/kg dry | 393 | <24.6 | 73.4 | 60-140 | | |
| Phenol, Total | 943 | | 49.1 | ug/kg dry | 786 | 225 | 91.3 | 60-140 | | |
| Pyrene | 176 | J1 | 24.6 | ug/kg dry | 393 | <24.6 | 44.7 | 60-140 | | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2359 - SW-3570 (Continued)*** | | | | | | | | | | |
| **22F4225-01 MS (BFG2359-MS1)** | | **Source: 22F4225-01** | | | Prepared: 7/19/2022 Analyzed: 8/2/2022 | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *358* | *ug/kg dry* | *786* | | *45.5* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *232* | *ug/kg dry* | *393* | | *59.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *715* | *ug/kg dry* | *786* | | *90.9* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *327* | *ug/kg dry* | *393* | | *83.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *960* | *ug/kg dry* | *786* | | *122* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *120* | *ug/kg dry* | *393* | | *30.5* | *60-140* | | |
| **22F4225-01 MSD (BFG2359-MSD1)** | | **Source: 22F4225-01** | | | Prepared: 7/19/2022 Analyzed: 8/2/2022 | | | | | |
| 4-Nitrophenol | 2450 | | 54.1 | ug/kg dry | 2160 | <54.1 | 113 | 60-140 | 38.4 | 40 |
| Acenaphthene | 318 | | 27.1 | ug/kg dry | 433 | <27.1 | 73.4 | 60-140 | 15.3 | 40 |
| Acenaphthylene | 370 | | 27.1 | ug/kg dry | 433 | <27.1 | 85.5 | 60-140 | 15.1 | 40 |
| Anthracene | 305 | | 27.1 | ug/kg dry | 433 | <27.1 | 70.5 | 60-140 | 24.7 | 40 |
| Benzo(a)anthracene | 250 | J1 | 27.1 | ug/kg dry | 433 | <27.1 | 57.8 | 60-140 | 30.4 | 40 |
| Benzo(a)pyrene | 289 | | 27.1 | ug/kg dry | 433 | <27.1 | 66.8 | 60-140 | 6.82 | 40 |
| benzo(b&k)fluoranthene | 542 | | 54.1 | ug/kg dry | 866 | <54.1 | 62.6 | 60-140 | 5.49 | 40 |
| Benzo(g,h,i)perylene | 43.7 | J1 | 27.1 | ug/kg dry | 433 | <27.1 | 10.1 | 60-140 | 70.0 | 40 |
| Bis(2-ethylhexyl )phthalate | 195 | J1 | 27.1 | ug/kg dry | 433 | <27.1 | 45.1 | 60-140 | 22.9 | 40 |
| Chrysene | 285 | J1 | 27.1 | ug/kg dry | 433 | <27.1 | 65.9 | 60-140 | 55.6 | 40 |
| Dibenzo(a,h)anthracene | 56.4 | J1 | 27.1 | ug/kg dry | 433 | <27.1 | 13.0 | 60-140 | 38.6 | 40 |
| Di-n-butyl phthalate | 339 | | 27.1 | ug/kg dry | 433 | 49.3 | 67.0 | 60-140 | 35.9 | 40 |
| Fluoranthene | 291 | | 27.1 | ug/kg dry | 433 | <27.1 | 67.2 | 60-140 | 22.7 | 40 |
| Fluorene | 328 | | 27.1 | ug/kg dry | 433 | <27.1 | 75.8 | 60-140 | 20.4 | 40 |
| Indeno(1,2,3-cd) pyrene | 57.9 | J1 | 27.1 | ug/kg dry | 433 | <27.1 | 13.4 | 60-140 | 19.9 | 40 |
| Naphthalene | 339 | | 27.1 | ug/kg dry | 433 | <27.1 | 78.2 | 60-140 | 22.9 | 40 |
| Phenanthrene | 337 | | 27.1 | ug/kg dry | 433 | <27.1 | 77.8 | 60-140 | 15.4 | 40 |
| Phenol, Total | 947 | | 54.1 | ug/kg dry | 866 | 225 | 83.4 | 60-140 | 0.455 | 40 |
| Pyrene | 206 | J1 | 27.1 | ug/kg dry | 433 | <27.1 | 47.5 | 60-140 | 15.7 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *391* | *ug/kg dry* | *866* | | *45.2* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *237* | *ug/kg dry* | *433* | | *54.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *616* | *ug/kg dry* | *866* | | *71.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *359* | *ug/kg dry* | *433* | | *82.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *989* | *ug/kg dry* | *866* | | *114* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *118* | *ug/kg dry* | *433* | | *27.3* | *60-140* | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2556 - SW-3570*** | | | | | | | | | | |
| **Blank (BFG2556-BLK1)** | | | | Prepared: 7/20/2022 Analyzed: 8/11/2022 | | | | | | |
| 4-Nitrophenol | <4.62 | U | 4.62 | ug/kg wet | | | | | | |
| Bis(2-ethylhexyl )phthalate | 107 | L | 2.31 | ug/kg wet | | | | | | |
| Di-n-butyl phthalate | 10.6 | | 2.31 | ug/kg wet | | | | | | |
| Phenol, Total | 23.1 | | 4.62 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *10.7* | *ug/kg wet* | *73.9* | | *14.5* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *25.3* | *ug/kg wet* | *37.0* | | *68.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *54.8* | *ug/kg wet* | *73.9* | | *74.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *36.4* | *ug/kg wet* | *37.0* | | *98.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *63.9* | *ug/kg wet* | *73.9* | | *86.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *21.5* | *ug/kg wet* | *37.0* | | *58.1* | *60-140* | | |
| **BS SV (BFG2556-BS1)** | | | | Prepared: 7/20/2022 Analyzed: 8/11/2022 | | | | | | |
| 4-Nitrophenol | 123 | | 4.82 | ug/kg wet | 193 | | 64.1 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 120 | J1, L | 2.41 | ug/kg wet | 38.5 | | 311 | 60-140 | | |
| Di-n-butyl phthalate | 25.5 | | 2.41 | ug/kg wet | 38.5 | | 66.3 | 60-140 | | |
| Phenol, Total | 91.4 | | 4.82 | ug/kg wet | 77.1 | | 119 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *8.72* | *ug/kg wet* | *77.1* | | *11.3* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *29.6* | *ug/kg wet* | *38.5* | | *76.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *47.0* | *ug/kg wet* | *77.1* | | *60.9* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *46.6* | *ug/kg wet* | *38.5* | | *121* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *78.1* | *ug/kg wet* | *77.1* | | *101* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *20.3* | *ug/kg wet* | *38.5* | | *52.7* | *60-140* | | |
| **BSD SV (BFG2556-BSD1)** | | | | Prepared: 7/20/2022 Analyzed: 8/11/2022 | | | | | | |
| 4-Nitrophenol | 131 | | 4.46 | ug/kg wet | 178 | | 73.6 | 60-140 | 6.17 | 40 |
| Bis(2-ethylhexyl )phthalate | 139 | J1, L | 2.23 | ug/kg wet | 35.7 | | 389 | 60-140 | 14.7 | 40 |
| Di-n-butyl phthalate | 28.2 | | 2.23 | ug/kg wet | 35.7 | | 79.2 | 60-140 | 10.1 | 40 |
| Phenol, Total | 82.7 | | 4.46 | ug/kg wet | 71.3 | | 116 | 60-140 | 9.93 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *8.39* | *ug/kg wet* | *71.3* | | *11.8* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *27.4* | *ug/kg wet* | *35.7* | | *76.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *44.2* | *ug/kg wet* | *71.3* | | *62.0* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *36.2* | *ug/kg wet* | *35.7* | | *101* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *58.8* | *ug/kg wet* | *71.3* | | *82.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *20.1* | *ug/kg wet* | *35.7* | | *56.4* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2556 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFG2556-MRL1)** | | | | | Prepared: 7/20/2022 Analyzed: 8/11/2022 | | | | | |
| 4-Nitrophenol | 58.9 | J1 | 4.60 | ug/kg wet | 18.4 | | 320 | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 97.7 | J1, L | 2.30 | ug/kg wet | 3.68 | | NR | 50-150 | | |
| Di-n-butyl phthalate | 9.09 | J1 | 2.30 | ug/kg wet | 3.68 | | 247 | 50-150 | | |
| Phenol, Total | 30.4 | J1 | 4.60 | ug/kg wet | 7.35 | | 413 | 50-150 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *14.6* | *ug/kg wet* | *73.5* | | *19.8* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *28.1* | *ug/kg wet* | *36.8* | | *76.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *54.0* | *ug/kg wet* | *73.5* | | *73.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *38.3* | *ug/kg wet* | *36.8* | | *104* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *60.6* | *ug/kg wet* | *73.5* | | *82.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *19.8* | *ug/kg wet* | *36.8* | | *54.0* | *60-140* | | |
| **22F4225-06 MS (BFG2556-MS1)** | | **Source: 22F4225-06** | | | Prepared: 7/20/2022 Analyzed: 8/11/2022 | | | | | |
| 4-Nitrophenol | 1550 | | 38.0 | ug/kg dry | 1520 | <38.0 | 102 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 180 | J1 | 19.0 | ug/kg dry | 304 | 35.1 | 47.7 | 60-140 | | |
| Di-n-butyl phthalate | 254 | J1 | 19.0 | ug/kg dry | 304 | 84.4 | 55.7 | 60-140 | | |
| Phenol, Total | 709 | | 38.0 | ug/kg dry | 609 | 142 | 93.2 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *291* | *ug/kg dry* | *609* | | *47.8* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *271* | *ug/kg dry* | *304* | | *89.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *477* | *ug/kg dry* | *609* | | *78.4* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *277* | *ug/kg dry* | *304* | | *90.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *646* | *ug/kg dry* | *609* | | *106* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *146* | *ug/kg dry* | *304* | | *48.0* | *60-140* | | |
| **22F4225-06 MSD (BFG2556-MSD1)** | | **Source: 22F4225-06** | | | Prepared: 7/20/2022 Analyzed: 8/11/2022 | | | | | |
| 4-Nitrophenol | 717 | J1 | 38.8 | ug/kg dry | 1550 | <38.8 | 46.2 | 60-140 | 73.3 | 40 |
| Bis(2-ethylhexyl )phthalate | 271 | J1 | 19.4 | ug/kg dry | 311 | 35.1 | 75.8 | 60-140 | 40.2 | 40 |
| Di-n-butyl phthalate | 264 | J1 | 19.4 | ug/kg dry | 311 | 84.4 | 57.8 | 60-140 | 3.84 | 40 |
| Phenol, Total | 636 | | 38.8 | ug/kg dry | 622 | 142 | 79.6 | 60-140 | 10.8 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *107* | *ug/kg dry* | *622* | | *17.3* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *250* | *ug/kg dry* | *311* | | *80.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *411* | *ug/kg dry* | *622* | | *66.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *233* | *ug/kg dry* | *311* | | *74.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *623* | *ug/kg dry* | *622* | | *100* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *194* | *ug/kg dry* | *311* | | *62.5* | *60-140* | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2755 - SW-3570*** | | | | | | | | | | |
| **Blank (BFG2755-BLK1)** | | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | | |
| 4-Nitrophenol | <4.89 | U | 4.89 | ug/kg wet | | | | | | |
| Bis(2-ethylhexyl )phthalate | 102 | L | 2.45 | ug/kg wet | | | | | | |
| Di-n-butyl phthalate | <2.45 | U | 2.45 | ug/kg wet | | | | | | |
| Phenol, Total | 42.8 | | 4.89 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | *S* | | *11.4* | *ug/kg wet* | *78.3* | | *14.6* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *32.3* | *ug/kg wet* | *39.1* | | *82.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *48.9* | *ug/kg wet* | *78.3* | | *62.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *37.3* | *ug/kg wet* | *39.1* | | *95.3* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *78.1* | *ug/kg wet* | *78.3* | | *99.8* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | *S* | | *18.7* | *ug/kg wet* | *39.1* | | *47.7* | *60-140* | | |
| **BS SV (BFG2755-BS1)** | | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | | |
| 4-Nitrophenol | 151 | | 4.66 | ug/kg wet | 186 | | 80.8 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 170 | J1, L | 2.33 | ug/kg wet | 37.2 | | 457 | 60-140 | | |
| Di-n-butyl phthalate | 34.4 | | 2.33 | ug/kg wet | 37.2 | | 92.4 | 60-140 | | |
| Phenol, Total | 113 | J1 | 4.66 | ug/kg wet | 74.5 | | 151 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | *S* | | *19.0* | *ug/kg wet* | *74.5* | | *25.5* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *46.0* | *ug/kg wet* | *37.2* | | *124* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *53.0* | *ug/kg wet* | *74.5* | | *71.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *46.5* | *ug/kg wet* | *37.2* | | *125* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *73.7* | *ug/kg wet* | *74.5* | | *99.0* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *28.0* | *ug/kg wet* | *37.2* | | *75.2* | *60-140* | | |
| **BSD SV (BFG2755-BSD1)** | | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | | |
| 4-Nitrophenol | 114 | J1 | 4.81 | ug/kg wet | 192 | | 59.5 | 60-140 | 27.3 | 40 |
| Bis(2-ethylhexyl )phthalate | 150 | J1, L | 2.40 | ug/kg wet | 38.5 | | 389 | 60-140 | 12.8 | 40 |
| Di-n-butyl phthalate | 30.1 | | 2.40 | ug/kg wet | 38.5 | | 78.3 | 60-140 | 13.3 | 40 |
| Phenol, Total | 139 | J1 | 4.81 | ug/kg wet | 76.9 | | 181 | 60-140 | 21.1 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | *S* | | *11.2* | *ug/kg wet* | *76.9* | | *14.5* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *34.5* | *ug/kg wet* | *38.5* | | *89.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *54.3* | *ug/kg wet* | *76.9* | | *70.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *50.4* | *ug/kg wet* | *38.5* | | *131* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *73.4* | *ug/kg wet* | *76.9* | | *95.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | *S* | | *22.6* | *ug/kg wet* | *38.5* | | *58.7* | *60-140* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2755 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BFG2755-MRL1)** | | | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | |
| 4-Nitrophenol | <4.50 | J1, U | 4.50 | ug/kg wet | 18.0 | | | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 97.0 | L, J1 | 2.25 | ug/kg wet | 3.60 | | NR | 50-150 | | |
| Di-n-butyl phthalate | 4.01 | | 2.25 | ug/kg wet | 3.60 | | 111 | 50-150 | | |
| Phenol, Total | 57.2 | J1 | 4.50 | ug/kg wet | 7.19 | | 795 | 50-150 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *6.81* | *ug/kg wet* | *71.9* | | *9.46* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *30.1* | *ug/kg wet* | *36.0* | | *83.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *40.1* | *ug/kg wet* | *71.9* | | *55.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *34.4* | *ug/kg wet* | *36.0* | | *95.5* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *72.1* | *ug/kg wet* | *71.9* | | *100* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *18.1* | *ug/kg wet* | *36.0* | | *50.2* | *60-140* | | |
| **22F4225-54 MS (BFG2755-MS1)** | | **Source: 22F4225-54** | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | |
| 4-Nitrophenol | 831 | J1 | 38.5 | ug/kg dry | 1540 | <38.5 | 53.9 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 484 | J1 | 19.3 | ug/kg dry | 308 | 318 | 53.9 | 60-140 | | |
| Di-n-butyl phthalate | 207 | | 19.3 | ug/kg dry | 308 | <19.3 | 67.2 | 60-140 | | |
| Phenol, Total | 1010 | J1 | 38.5 | ug/kg dry | 616 | 1060 | NR | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *346* | *ug/kg dry* | *616* | | *56.1* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *339* | *ug/kg dry* | *308* | | *110* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *484* | *ug/kg dry* | *616* | | *78.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *253* | *ug/kg dry* | *308* | | *82.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *928* | *ug/kg dry* | *616* | | *151* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *66.8* | *ug/kg dry* | *308* | | *21.7* | *60-140* | | |
| **22F4225-54 MSD (BFG2755-MSD1)** | | **Source: 22F4225-54** | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | |
| 4-Nitrophenol | 1080 | | 36.9 | ug/kg dry | 1470 | <36.9 | 73.1 | 60-140 | 25.9 | 40 |
| Bis(2-ethylhexyl )phthalate | 666 | L | 18.4 | ug/kg dry | 295 | 318 | 118 | 60-140 | 31.6 | 40 |
| Di-n-butyl phthalate | 757 | J1, L | 18.4 | ug/kg dry | 295 | <18.4 | 257 | 60-140 | 114 | 40 |
| Phenol, Total | 1160 | J1 | 36.9 | ug/kg dry | 590 | 1060 | 17.0 | 60-140 | 13.6 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *306* | *ug/kg dry* | *590* | | *51.8* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *376* | *ug/kg dry* | *295* | | *127* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *516* | *ug/kg dry* | *590* | | *87.4* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *221* | *ug/kg dry* | *295* | | *74.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *992* | *ug/kg dry* | *590* | | *168* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *60.3* | *ug/kg dry* | *295* | | *20.5* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2759 - SW-3570*** | | | | | | | | | | |
| **Blank (BFG2759-BLK1)** | | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | | |
| 4-Nitrophenol | <4.54 | U | 4.54 | ug/kg wet | | | | | | |
| Acenaphthene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Acenaphthylene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Anthracene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Benzo(a)anthracene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Benzo(a)pyrene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| benzo(b&k)fluoranthene | <4.54 | U | 4.54 | ug/kg wet | | | | | | |
| Benzo(g,h,i)perylene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Bis(2-ethylhexyl )phthalate | 19.9 | | 2.27 | ug/kg wet | | | | | | |
| Chrysene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Dibenzo(a,h)anthracene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Di-n-butyl phthalate | 5.78 | | 2.27 | ug/kg wet | | | | | | |
| Fluoranthene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Fluorene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Indeno(1,2,3-cd) pyrene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Naphthalene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Phenanthrene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| Phenol, Total | 59.9 | | 4.54 | ug/kg wet | | | | | | |
| Pyrene | <2.27 | U | 2.27 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *2.45* | *ug/kg wet* | *72.6* | | *3.37* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *19.6* | *ug/kg wet* | *36.3* | | *54.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *43.6* | *ug/kg wet* | *72.6* | | *60.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *32.8* | *ug/kg wet* | *36.3* | | *90.5* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *50.4* | *ug/kg wet* | *72.6* | | *69.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *11.8* | *ug/kg wet* | *36.3* | | *32.4* | *60-140* | | |
| **BS SV (BFG2759-BS1)** | | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | | |
| 4-Nitrophenol | 73.6 | J1 | 4.66 | ug/kg wet | 186 | | 39.5 | 60-140 | | |
| Acenaphthene | 25.3 | | 2.33 | ug/kg wet | 37.2 | | 67.9 | 60-140 | | |
| Acenaphthylene | 27.5 | | 2.33 | ug/kg wet | 37.2 | | 73.8 | 60-140 | | |
| Anthracene | 19.2 | J1 | 2.33 | ug/kg wet | 37.2 | | 51.6 | 60-140 | | |
| Benzo(a)anthracene | 12.4 | J1 | 2.33 | ug/kg wet | 37.2 | | 33.3 | 60-140 | | |
| Benzo(a)pyrene | 18.6 | J1 | 2.33 | ug/kg wet | 37.2 | | 49.8 | 60-140 | | |
| benzo(b&k)fluoranthene | 32.9 | J1 | 4.66 | ug/kg wet | 74.5 | | 44.2 | 60-140 | | |
| Benzo(g,h,i)perylene | 13.1 | J1 | 2.33 | ug/kg wet | 37.2 | | 35.1 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 31.3 | | 2.33 | ug/kg wet | 37.2 | | 84.1 | 60-140 | | |
| Chrysene | 7.71 | J1 | 2.33 | ug/kg wet | 37.2 | | 20.7 | 60-140 | | |
| Dibenzo(a,h)anthracene | 17.0 | J1 | 2.33 | ug/kg wet | 37.2 | | 45.6 | 60-140 | | |
| Di-n-butyl phthalate | 16.9 | J1 | 2.33 | ug/kg wet | 37.2 | | 45.5 | 60-140 | | |
| Fluoranthene | 15.6 | J1 | 2.33 | ug/kg wet | 37.2 | | 42.0 | 60-140 | | |
| Fluorene | 24.0 | | 2.33 | ug/kg wet | 37.2 | | 64.5 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 17.4 | J1 | 2.33 | ug/kg wet | 37.2 | | 46.8 | 60-140 | | |
| Naphthalene | 30.0 | | 2.33 | ug/kg wet | 37.2 | | 80.7 | 60-140 | | |
| Phenanthrene | 20.3 | J1 | 2.33 | ug/kg wet | 37.2 | | 54.6 | 60-140 | | |
| Phenol, Total | 103 | L | 4.66 | ug/kg wet | 74.5 | | 138 | 60-140 | | |
| Pyrene | 7.28 | J1 | 2.33 | ug/kg wet | 37.2 | | 19.6 | 60-140 | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2759 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BS SV (BFG2759-BS1)** | | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *6.91* | *ug/kg wet* | *74.5* | | *9.28* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *20.5* | *ug/kg wet* | *37.2* | | *55.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *58.1* | *ug/kg wet* | *74.5* | | *78.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *34.1* | *ug/kg wet* | *37.2* | | *91.5* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *56.3* | *ug/kg wet* | *74.5* | | *75.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *2.40* | *ug/kg wet* | *37.2* | | *6.43* | *60-140* | | |
| **LCS (BFG2759-BS2)** | | | | Prepared: 7/21/2022 Analyzed: 8/18/2022 | | | | | | |
| Acenaphthene | 27.1 | | 4.66 | ug/kg wet | 37.2 | | 72.8 | 60-140 | | |
| Acenaphthylene | 26.7 | | 4.66 | ug/kg wet | 37.2 | | 71.7 | 60-140 | | |
| Anthracene | 24.7 | | 4.66 | ug/kg wet | 37.2 | | 66.4 | 60-140 | | |
| Benzo(a)anthracene | 21.5 | J1 | 4.66 | ug/kg wet | 37.2 | | 57.7 | 60-140 | | |
| Benzo(a)pyrene | 16.5 | J1 | 4.66 | ug/kg wet | 37.2 | | 44.3 | 60-140 | | |
| benzo(b&k)fluoranthene | 26.9 | J1 | 9.31 | ug/kg wet | 74.5 | | 36.1 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 93.9 | J1 | 4.66 | ug/kg wet | 37.2 | | 252 | 60-140 | | |
| Chrysene | 16.1 | J1 | 4.66 | ug/kg wet | 37.2 | | 43.3 | 60-140 | | |
| Dibenzo(a,h)anthracene | 19.1 | J1 | 4.66 | ug/kg wet | 37.2 | | 51.3 | 60-140 | | |
| Di-n-butyl phthalate | 24.1 | | 4.66 | ug/kg wet | 37.2 | | 64.7 | 60-140 | | |
| Fluoranthene | 21.8 | J1 | 4.66 | ug/kg wet | 37.2 | | 58.6 | 60-140 | | |
| Fluorene | 21.5 | J1 | 4.66 | ug/kg wet | 37.2 | | 57.8 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 21.2 | J1 | 4.66 | ug/kg wet | 37.2 | | 56.9 | 60-140 | | |
| Naphthalene | 29.6 | | 4.66 | ug/kg wet | 37.2 | | 79.3 | 60-140 | | |
| Phenanthrene | 24.2 | | 4.66 | ug/kg wet | 37.2 | | 65.0 | 60-140 | | |
| Phenol, Total | 97.3 | | 9.31 | ug/kg wet | 74.5 | | 131 | 60-140 | | |
| Pyrene | 20.0 | J1 | 4.66 | ug/kg wet | 37.2 | | 53.8 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *5.58* | *ug/kg wet* | *74.5* | | *7.49* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *14.7* | *ug/kg wet* | *37.2* | | *39.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *40.8* | *ug/kg wet* | *74.5* | | *54.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *27.3* | *ug/kg wet* | *37.2* | | *73.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *74.4* | *ug/kg wet* | *74.5* | | *99.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *11.6* | *ug/kg wet* | *37.2* | | *31.2* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2759 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD SV (BFG2759-BSD1)** | | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | | |
| 4-Nitrophenol | 64.5 | J1 | 4.95 | ug/kg wet | 198 | | 32.6 | 60-140 | 13.1 | 40 |
| Acenaphthene | 25.7 | | 2.48 | ug/kg wet | 39.6 | | 64.9 | 60-140 | 1.52 | 40 |
| Acenaphthylene | 28.7 | | 2.48 | ug/kg wet | 39.6 | | 72.5 | 60-140 | 4.42 | 40 |
| Anthracene | 18.8 | J1 | 2.48 | ug/kg wet | 39.6 | | 47.5 | 60-140 | 2.15 | 40 |
| Benzo(a)anthracene | 12.3 | J1 | 2.48 | ug/kg wet | 39.6 | | 31.1 | 60-140 | 0.634 | 40 |
| Benzo(a)pyrene | 18.2 | J1 | 2.48 | ug/kg wet | 39.6 | | 46.1 | 60-140 | 1.70 | 40 |
| benzo(b&k)fluoranthene | 32.9 | J1 | 4.95 | ug/kg wet | 79.2 | | 41.5 | 60-140 | 0.0925 | 40 |
| Benzo(g,h,i)perylene | 13.8 | J1 | 2.48 | ug/kg wet | 39.6 | | 34.8 | 60-140 | 5.36 | 40 |
| Bis(2-ethylhexyl )phthalate | 26.5 | | 2.48 | ug/kg wet | 39.6 | | 67.0 | 60-140 | 16.5 | 40 |
| Chrysene | 7.27 | J1 | 2.48 | ug/kg wet | 39.6 | | 18.4 | 60-140 | 5.80 | 40 |
| Dibenzo(a,h)anthracene | 16.2 | J1 | 2.48 | ug/kg wet | 39.6 | | 40.9 | 60-140 | 4.73 | 40 |
| Di-n-butyl phthalate | 17.5 | J1 | 2.48 | ug/kg wet | 39.6 | | 44.1 | 60-140 | 3.05 | 40 |
| Fluoranthene | 15.7 | J1 | 2.48 | ug/kg wet | 39.6 | | 39.5 | 60-140 | 0.0454 | 40 |
| Fluorene | 24.3 | | 2.48 | ug/kg wet | 39.6 | | 61.5 | 60-140 | 1.28 | 40 |
| Indeno(1,2,3-cd) pyrene | 17.3 | J1 | 2.48 | ug/kg wet | 39.6 | | 43.6 | 60-140 | 0.944 | 40 |
| Naphthalene | 30.4 | | 2.48 | ug/kg wet | 39.6 | | 76.7 | 60-140 | 1.06 | 40 |
| Phenanthrene | 19.9 | J1 | 2.48 | ug/kg wet | 39.6 | | 50.4 | 60-140 | 2.01 | 40 |
| Phenol, Total | 110 | L | 4.95 | ug/kg wet | 79.2 | | 139 | 60-140 | 6.79 | 40 |
| Pyrene | 8.22 | J1 | 2.48 | ug/kg wet | 39.6 | | 20.8 | 60-140 | 12.1 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | *S* | | *6.47* | *ug/kg wet* | *79.2* | | *8.17* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *30.9* | *ug/kg wet* | *39.6* | | *78.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *65.1* | *ug/kg wet* | *79.2* | | *82.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *41.1* | *ug/kg wet* | *39.6* | | *104* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *68.1* | *ug/kg wet* | *79.2* | | *86.0* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | *S* | | *16.2* | *ug/kg wet* | *39.6* | | *40.8* | *60-140* | | |
| **LCS Dup (BFG2759-BSD2)** | | | | Prepared: 7/21/2022 Analyzed: 8/18/2022 | | | | | | |
| Acenaphthene | 27.3 | | 4.95 | ug/kg wet | 39.6 | | 69.0 | 60-140 | 0.739 | 40 |
| Acenaphthylene | 28.3 | | 4.95 | ug/kg wet | 39.6 | | 71.5 | 60-140 | 5.90 | 40 |
| Anthracene | 25.4 | | 4.95 | ug/kg wet | 39.6 | | 64.2 | 60-140 | 2.77 | 40 |
| Benzo(a)anthracene | 20.5 | J1 | 4.95 | ug/kg wet | 39.6 | | 51.7 | 60-140 | 4.73 | 40 |
| Benzo(a)pyrene | 17.2 | J1 | 4.95 | ug/kg wet | 39.6 | | 43.4 | 60-140 | 4.02 | 40 |
| benzo(b&k)fluoranthene | 28.9 | J1 | 9.90 | ug/kg wet | 79.2 | | 36.5 | 60-140 | 7.41 | 40 |
| Bis(2-ethylhexyl )phthalate | 81.7 | J1 | 4.95 | ug/kg wet | 39.6 | | 206 | 60-140 | 13.9 | 40 |
| Chrysene | 18.6 | J1 | 4.95 | ug/kg wet | 39.6 | | 46.9 | 60-140 | 14.2 | 40 |
| Dibenzo(a,h)anthracene | 19.1 | J1 | 4.95 | ug/kg wet | 39.6 | | 48.2 | 60-140 | 0.0466 | 40 |
| Di-n-butyl phthalate | 37.9 | J1 | 4.95 | ug/kg wet | 39.6 | | 95.6 | 60-140 | 44.5 | 40 |
| Fluoranthene | 22.0 | J1 | 4.95 | ug/kg wet | 39.6 | | 55.5 | 60-140 | 0.598 | 40 |
| Fluorene | 22.6 | J1 | 4.95 | ug/kg wet | 39.6 | | 57.1 | 60-140 | 4.97 | 40 |
| Indeno(1,2,3-cd) pyrene | 22.2 | J1 | 4.95 | ug/kg wet | 39.6 | | 56.1 | 60-140 | 4.67 | 40 |
| Naphthalene | 31.9 | | 4.95 | ug/kg wet | 39.6 | | 80.5 | 60-140 | 7.56 | 40 |
| Phenanthrene | 24.7 | | 4.95 | ug/kg wet | 39.6 | | 62.4 | 60-140 | 2.05 | 40 |
| Phenol, Total | 128 | J1 | 9.90 | ug/kg wet | 79.2 | | 162 | 60-140 | 27.2 | 40 |
| Pyrene | 21.4 | J1 | 4.95 | ug/kg wet | 39.6 | | 54.0 | 60-140 | 6.48 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | *S* | | *5.52* | *ug/kg wet* | *79.2* | | *6.98* | *60-140* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2759 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BFG2759-BSD2)** | | | | Prepared: 7/21/2022 Analyzed: 8/18/2022 | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *25.5* | *ug/kg wet* | *39.6* | | *64.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *43.8* | *ug/kg wet* | *79.2* | | *55.4* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *34.6* | *ug/kg wet* | *39.6* | | *87.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *73.2* | *ug/kg wet* | *79.2* | | *92.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *23.8* | *ug/kg wet* | *39.6* | | *60.1* | *60-140* | | |
| **MDL SV (BFG2759-MRL1)** | | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | | |
| 4-Nitrophenol | 6.86 | J1 | 4.65 | ug/kg wet | 18.6 | | 36.9 | 50-150 | | |
| Acenaphthene | 2.36 | | 2.32 | ug/kg wet | 3.72 | | 63.4 | 50-150 | | |
| Acenaphthylene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| Anthracene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| Benzo(a)anthracene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| Benzo(a)pyrene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| benzo(b&k)fluoranthene | <4.65 | J1, U | 4.65 | ug/kg wet | 7.43 | | | 50-150 | | |
| Benzo(g,h,i)perylene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| Bis(2-ethylhexyl )phthalate | 24.4 | J1 | 2.32 | ug/kg wet | 3.72 | | 656 | 50-150 | | |
| Chrysene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| Dibenzo(a,h)anthracene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| Di-n-butyl phthalate | 4.40 | | 2.32 | ug/kg wet | 3.72 | | 118 | 50-150 | | |
| Fluoranthene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| Fluorene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| Indeno(1,2,3-cd) pyrene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| Naphthalene | 5.08 | | 2.32 | ug/kg wet | 3.72 | | 137 | 50-150 | | |
| Phenanthrene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| Phenol, Total | 62.9 | J1 | 4.65 | ug/kg wet | 7.43 | | 846 | 50-150 | | |
| Pyrene | <2.32 | J1, U | 2.32 | ug/kg wet | 3.72 | | | 50-150 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *5.28* | *ug/kg wet* | *74.3* | | *7.10* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *23.0* | *ug/kg wet* | *37.2* | | *62.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *61.8* | *ug/kg wet* | *74.3* | | *83.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *39.0* | *ug/kg wet* | *37.2* | | *105* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *58.8* | *ug/kg wet* | *74.3* | | *79.1* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *11.0* | *ug/kg wet* | *37.2* | | *29.5* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2759 - SW-3570 (Continued)*** | | | | | | | | | | |
| **22F4225-81 MS (BFG2759-MS1)** | | **Source: 22F4225-81** | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | | |
| 4-Nitrophenol | 878 | J1 | 36.9 | ug/kg dry | 1480 | <36.9 | 59.5 | 60-140 | | |
| Acenaphthene | 214 | | 18.5 | ug/kg dry | 295 | <18.5 | 72.6 | 60-140 | | |
| Acenaphthylene | 235 | | 18.5 | ug/kg dry | 295 | <18.5 | 79.4 | 60-140 | | |
| Anthracene | 99.3 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 33.6 | 60-140 | | |
| Benzo(a)anthracene | 26.9 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 9.12 | 60-140 | | |
| Benzo(a)pyrene | 26.5 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 8.96 | 60-140 | | |
| benzo(b&k)fluoranthene | <36.9 | J1, U | 36.9 | ug/kg dry | 591 | <36.9 | | 60-140 | | |
| Benzo(g,h,i)perylene | 32.1 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 10.9 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 22.3 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 7.56 | 60-140 | | |
| Chrysene | 23.9 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 8.08 | 60-140 | | |
| Dibenzo(a,h)anthracene | 39.8 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 13.5 | 60-140 | | |
| Di-n-butyl phthalate | 96.5 | J1 | 18.5 | ug/kg dry | 295 | 20.5 | 25.7 | 60-140 | | |
| Fluoranthene | 26.9 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 9.12 | 60-140 | | |
| Fluorene | 196 | | 18.5 | ug/kg dry | 295 | <18.5 | 66.2 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 39.5 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 13.4 | 60-140 | | |
| Naphthalene | 279 | | 18.5 | ug/kg dry | 295 | <18.5 | 94.3 | 60-140 | | |
| Phenanthrene | 248 | | 18.5 | ug/kg dry | 295 | <18.5 | 84.0 | 60-140 | | |
| Phenol, Total | 1470 | J1, L | 36.9 | ug/kg dry | 591 | 511 | 163 | 60-140 | | |
| Pyrene | 93.3 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 31.6 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *199* | *ug/kg dry* | *591* | | *33.8* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *271* | *ug/kg dry* | *295* | | *91.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *733* | *ug/kg dry* | *591* | | *124* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *371* | *ug/kg dry* | *295* | | *125* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *711* | *ug/kg dry* | *591* | | *120* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *36.0* | *ug/kg dry* | *295* | | *12.2* | *60-140* | | |
| **Matrix Spike (BFG2759-MS2)** | | **Source: 22F4225-81RE1** | | Prepared: 7/21/2022 Analyzed: 8/18/2022 | | | | | | |
| Acenaphthene | 273 | | 92.3 | ug/kg dry | 295 | <92.3 | 92.5 | 60-140 | | |
| Acenaphthylene | 288 | | 92.3 | ug/kg dry | 295 | <92.3 | 97.4 | 60-140 | | |
| Anthracene | 234 | | 92.3 | ug/kg dry | 295 | <92.3 | 79.2 | 60-140 | | |
| Benzo(a)anthracene | 136 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 46.1 | 60-140 | | |
| Benzo(a)pyrene | <92.3 | J1, U | 92.3 | ug/kg dry | 295 | <92.3 | | 60-140 | | |
| benzo(b&k)fluoranthene | <185 | J1, U | 185 | ug/kg dry | 591 | <185 | | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 147 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 49.8 | 60-140 | | |
| Chrysene | 169 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 57.1 | 60-140 | | |
| Dibenzo(a,h)anthracene | 153 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 51.8 | 60-140 | | |
| Di-n-butyl phthalate | 430 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 146 | 60-140 | | |
| Fluoranthene | 166 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 56.2 | 60-140 | | |
| Fluorene | 224 | | 92.3 | ug/kg dry | 295 | <92.3 | 75.7 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 198 | | 92.3 | ug/kg dry | 295 | <92.3 | 67.2 | 60-140 | | |
| Naphthalene | 316 | | 92.3 | ug/kg dry | 295 | <92.3 | 107 | 60-140 | | |
| Phenanthrene | 240 | | 92.3 | ug/kg dry | 295 | <92.3 | 81.3 | 60-140 | | |
| Phenol, Total | 1780 | J1 | 185 | ug/kg dry | 591 | 620 | 196 | 60-140 | | |
| Pyrene | 133 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 45.1 | 60-140 | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *135* | *ug/kg dry* | *591* | | *22.9* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2759 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFG2759-MS2)** | | **Source: 22F4225-81RE1** | | | Prepared: 7/21/2022 Analyzed: 8/18/2022 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *243* | *ug/kg dry* | *295* | | *82.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *488* | *ug/kg dry* | *591* | | *82.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *337* | *ug/kg dry* | *295* | | *114* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *721* | *ug/kg dry* | *591* | | *122* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *141* | *ug/kg dry* | *295* | | *47.8* | *60-140* | | |
| **22F4225-81 MSD (BFG2759-MSD1)** | | **Source: 22F4225-81** | | | Prepared: 7/21/2022 Analyzed: 8/12/2022 | | | | | |
| 4-Nitrophenol | 641 | J1 | 36.9 | ug/kg dry | 1480 | <36.9 | 43.4 | 60-140 | 31.2 | 40 |
| Acenaphthene | 180 | | 18.5 | ug/kg dry | 295 | <18.5 | 61.0 | 60-140 | 17.3 | 40 |
| Acenaphthylene | 199 | | 18.5 | ug/kg dry | 295 | <18.5 | 67.4 | 60-140 | 16.3 | 40 |
| Anthracene | 129 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 43.7 | 60-140 | 26.1 | 40 |
| Benzo(a)anthracene | 51.9 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 17.6 | 60-140 | 63.3 | 40 |
| Benzo(a)pyrene | 24.6 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 8.34 | 60-140 | 7.22 | 40 |
| benzo(b&k)fluoranthene | 37.2 | J1 | 36.9 | ug/kg dry | 591 | <36.9 | 6.30 | 60-140 | 200 | 40 |
| Benzo(g,h,i)perylene | 55.1 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 18.6 | 60-140 | 52.8 | 40 |
| Bis(2-ethylhexyl )phthalate | 23.7 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 8.01 | 60-140 | 5.82 | 40 |
| Chrysene | <18.5 | J1, U | 18.5 | ug/kg dry | 295 | <18.5 | | 60-140 | 200 | 40 |
| Dibenzo(a,h)anthracene | 44.5 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 15.1 | 60-140 | 11.3 | 40 |
| Di-n-butyl phthalate | 99.5 | J1 | 18.5 | ug/kg dry | 295 | 20.5 | 26.8 | 60-140 | 3.14 | 40 |
| Fluoranthene | 34.8 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 11.8 | 60-140 | 25.5 | 40 |
| Fluorene | 165 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 55.9 | 60-140 | 16.9 | 40 |
| Indeno(1,2,3-cd) pyrene | 55.5 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 18.8 | 60-140 | 33.7 | 40 |
| Naphthalene | 226 | | 18.5 | ug/kg dry | 295 | <18.5 | 76.6 | 60-140 | 20.7 | 40 |
| Phenanthrene | 135 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 45.8 | 60-140 | 58.9 | 40 |
| Phenol, Total | 1250 | L | 36.9 | ug/kg dry | 591 | 511 | 125 | 60-140 | 16.2 | 40 |
| Pyrene | 61.7 | J1 | 18.5 | ug/kg dry | 295 | <18.5 | 20.9 | 60-140 | 40.8 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *86.1* | *ug/kg dry* | *591* | | *14.6* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *204* | *ug/kg dry* | *295* | | *69.2* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *580* | *ug/kg dry* | *591* | | *98.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *298* | *ug/kg dry* | *295* | | *101* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *606* | *ug/kg dry* | *591* | | *103* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *19.2* | *ug/kg dry* | *295* | | *6.50* | *60-140* | | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2759 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFG2759-MSD2)** | | **Source: 22F4225-81RE1** | | Prepared: 7/21/2022 Analyzed: 8/18/2022 | | | | | | |
| Acenaphthene | 199 | | 92.3 | ug/kg dry | 295 | <92.3 | 67.4 | 60-140 | 31.4 | 40 |
| Acenaphthylene | 207 | | 92.3 | ug/kg dry | 295 | <92.3 | 69.9 | 60-140 | 32.8 | 40 |
| Anthracene | 193 | | 92.3 | ug/kg dry | 295 | <92.3 | 65.3 | 60-140 | 19.4 | 40 |
| Benzo(a)anthracene | 147 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 49.9 | 60-140 | 7.92 | 40 |
| Benzo(a)pyrene | 98.7 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 33.4 | 60-140 | 9.99 | 40 |
| benzo(b&k)fluoranthene | <185 | J1, U | 185 | ug/kg dry | 591 | <185 | | 60-140 | 200 | 40 |
| Bis(2-ethylhexyl )phthalate | 139 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 46.9 | 60-140 | 5.90 | 40 |
| Chrysene | 132 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 44.5 | 60-140 | 24.8 | 40 |
| Dibenzo(a,h)anthracene | 123 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 41.5 | 60-140 | 22.1 | 40 |
| Di-n-butyl phthalate | 312 | | 92.3 | ug/kg dry | 295 | <92.3 | 106 | 60-140 | 31.9 | 40 |
| Fluoranthene | 151 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 51.0 | 60-140 | 9.59 | 40 |
| Fluorene | 168 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 56.8 | 60-140 | 28.5 | 40 |
| Indeno(1,2,3-cd) pyrene | 159 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 53.9 | 60-140 | 21.9 | 40 |
| Naphthalene | 244 | | 92.3 | ug/kg dry | 295 | <92.3 | 82.6 | 60-140 | 25.7 | 40 |
| Phenanthrene | 156 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 52.8 | 60-140 | 42.6 | 40 |
| Phenol, Total | 1470 | J1 | 185 | ug/kg dry | 591 | 620 | 144 | 60-140 | 19.0 | 40 |
| Pyrene | 145 | J1 | 92.3 | ug/kg dry | 295 | <92.3 | 49.0 | 60-140 | 8.37 | 40 |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *77.6* | *ug/kg dry* | *591* | | *13.1* | *60-140* | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *167* | *ug/kg dry* | *295* | | *56.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *381* | *ug/kg dry* | *591* | | *64.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *262* | *ug/kg dry* | *295* | | *88.7* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *585* | *ug/kg dry* | *591* | | *98.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *170* | *ug/kg dry* | *295* | | *57.5* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Organics by GC

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2416 - SW-3570*** | | | | | | | | | | |
| **Blank (BFG2416-BLK1)** | | | | | Prepared: 7/19/2022 Analyzed: 8/19/2022 | | | | | |
| PCBs, Total | <3.98 | U | 3.98 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *2.31* | *ug/kg wet* | *1.99* | | *116* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.70* | *ug/kg wet* | *1.99* | | *85.3* | *60-140* | | |
| **LCS (BFG2416-BS1)** | | | | | Prepared: 7/19/2022 Analyzed: 8/19/2022 | | | | | |
| PCBs, Total | 15.7 | | 3.94 | ug/kg wet | 19.7 | | 79.6 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *1.78* | *ug/kg wet* | *1.97* | | *90.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.18* | *ug/kg wet* | *1.97* | | *60.1* | *60-140* | | |
| **LCS Dup (BFG2416-BSD1)** | | | | | Prepared: 7/19/2022 Analyzed: 8/19/2022 | | | | | |
| PCBs, Total | 14.9 | | 3.73 | ug/kg wet | 18.7 | | 80.1 | 60-140 | 4.67 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *1.76* | *ug/kg wet* | *1.87* | | *94.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.19* | *ug/kg wet* | *1.87* | | *64.0* | *60-140* | | |
| **MDL Check (BFG2416-MRL1)** | | | | | Prepared: 7/19/2022 Analyzed: 8/19/2022 | | | | | |
| PCBs, Total | 2.47 | J | 3.92 | ug/kg wet | 1.96 | | 126 | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *1.80* | *ug/kg wet* | *1.96* | | *91.7* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.34* | *ug/kg wet* | *1.96* | | *68.2* | *60-140* | | |
| **Matrix Spike (BFG2416-MS1)** | | **Source: 22F4225-92** | | | Prepared: 7/19/2022 Analyzed: 8/19/2022 | | | | | |
| PCBs, Total | 121 | | 30.2 | ug/kg dry | 151 | <30.2 | 80.2 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *18.3* | *ug/kg dry* | *15.1* | | *121* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *10.4* | *ug/kg dry* | *15.1* | | *68.7* | *60-140* | | |
| **Matrix Spike Dup (BFG2416-MSD1)** | | **Source: 22F4225-92** | | | Prepared: 7/19/2022 Analyzed: 8/19/2022 | | | | | |
| PCBs, Total | 115 | | 30.5 | ug/kg dry | 152 | <30.5 | 75.7 | 60-140 | 5.07 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *19.9* | *ug/kg dry* | *15.2* | | *131* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *11.6* | *ug/kg dry* | *15.2* | | *76.1* | *60-140* | | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2419 - SW-3570*** | | | | | | | | | | |
| **Blank (BFG2419-BLK1)** | | | | Prepared: 7/19/2022 Analyzed: 8/20/2022 | | | | | | |
| PCBs, Total | <3.72 | U | 3.72 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *2.94* | *ug/kg wet* | *1.86* | | *158* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *2.06* | *ug/kg wet* | *1.86* | | *111* | *60-140* | | |
| **LCS (BFG2419-BS1)** | | | | Prepared: 7/19/2022 Analyzed: 8/20/2022 | | | | | | |
| PCBs, Total | 17.3 | | 3.88 | ug/kg wet | 19.4 | | 88.9 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *2.18* | *ug/kg wet* | *1.94* | | *112* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.48* | *ug/kg wet* | *1.94* | | *76.1* | *60-140* | | |
| **LCS Dup (BFG2419-BSD1)** | | | | Prepared: 7/19/2022 Analyzed: 8/20/2022 | | | | | | |
| PCBs, Total | 18.3 | | 3.79 | ug/kg wet | 18.9 | | 96.8 | 60-140 | 6.11 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *2.28* | *ug/kg wet* | *1.89* | | *120* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.57* | *ug/kg wet* | *1.89* | | *83.0* | *60-140* | | |
| **MDL Check (BFG2419-MRL1)** | | | | Prepared: 7/19/2022 Analyzed: 8/20/2022 | | | | | | |
| PCBs, Total | 3.07 | J | 3.89 | ug/kg wet | 1.95 | | 158 | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *2.25* | *ug/kg wet* | *1.95* | | *115* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.50* | *ug/kg wet* | *1.95* | | *77.1* | *60-140* | | |
| **Matrix Spike (BFG2419-MS1)** | | **Source: 22F4225-31** | | Prepared: 7/19/2022 Analyzed: 8/20/2022 | | | | | | |
| PCBs, Total | 131 | | 35.6 | ug/kg dry | 178 | <35.6 | 73.5 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *29.1* | *ug/kg dry* | *17.8* | | *163* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *14.0* | *ug/kg dry* | *17.8* | | *78.7* | *60-140* | | |
| **Matrix Spike Dup (BFG2419-MSD1)** | | **Source: 22F4225-31** | | Prepared: 7/19/2022 Analyzed: 8/20/2022 | | | | | | |
| PCBs, Total | 146 | | 39.2 | ug/kg dry | 196 | <39.2 | 74.5 | 60-140 | 10.9 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *27.2* | *ug/kg dry* | *19.6* | | *139* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *12.2* | *ug/kg dry* | *19.6* | | *62.1* | *60-140* | | |

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## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2970 - SW-3570*** | | | | | | | | | | |
| **Blank (BFG2970-BLK1)** | | | | | Prepared: 7/22/2022 Analyzed: 8/20/2022 | | | | | |
| PCBs, Total | <1.20 | U | 1.20 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *2.11* | *ug/kg wet* | *2.00* | | *105* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.63* | *ug/kg wet* | *2.00* | | *81.4* | *60-140* | | |
| **LCS (BFG2970-BS1)** | | | | | Prepared: 7/22/2022 Analyzed: 8/20/2022 | | | | | |
| PCBs, Total | 13.4 | | 1.20 | ug/kg wet | 20.0 | | 67.2 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *2.31* | *ug/kg wet* | *2.00* | | *116* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.77* | *ug/kg wet* | *2.00* | | *88.6* | *60-140* | | |
| **LCS Dup (BFG2970-BSD1)** | | | | | Prepared: 7/22/2022 Analyzed: 8/20/2022 | | | | | |
| PCBs, Total | 13.4 | | 1.20 | ug/kg wet | 20.0 | | 66.8 | 60-140 | 0.659 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *2.24* | *ug/kg wet* | *2.00* | | *112* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.75* | *ug/kg wet* | *2.00* | | *87.6* | *60-140* | | |
| **MRL Check (BFG2970-MRL1)** | | | | | Prepared: 7/22/2022 Analyzed: 8/20/2022 | | | | | |
| PCBs, Total | 1.61 | | 1.20 | ug/kg wet | 2.00 | | 80.3 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *1.39* | *ug/kg wet* | *2.00* | | *69.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *1.14* | *ug/kg wet* | *2.00* | | *57.1* | *60-140* | | |
| **Matrix Spike (BFG2970-MS1)** | | **Source: 22F4225-31RE1** | | | Prepared: 7/22/2022 Analyzed: 8/20/2022 | | | | | |
| PCBs, Total | 107 | J1 | 12.1 | ug/kg dry | 202 | <12.1 | 53.2 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *19.8* | *ug/kg dry* | *20.2* | | *97.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *9.05* | *ug/kg dry* | *20.2* | | *44.8* | *60-140* | | |
| **Matrix Spike Dup (BFG2970-MSD1)** | | **Source: 22F4225-31RE1** | | | Prepared: 7/22/2022 Analyzed: 8/20/2022 | | | | | |
| PCBs, Total | 97.7 | J1 | 12.1 | ug/kg dry | 202 | <12.1 | 48.3 | 60-140 | 9.56 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *19.6* | *ug/kg dry* | *20.2* | | *96.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *8.25* | *ug/kg dry* | *20.2* | | *40.8* | *60-140* | | |

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## Quality Control
**(Continued)**

### Metals, Total

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG1228 - Cr VI*** | | | | | | | | | | |
| **Blank (BFG1228-BLK1)** | | | | | Prepared & Analyzed: 7/11/2022 | | | | | |
| Chromium (VI) | <5.00 | U | 5.00 | mg/kg (dry wt) wet | | | | | | |
| **Duplicate (BFG1228-DUP1)** | | **Source: 22F4225-25** | | | Prepared & Analyzed: 7/11/2022 | | | | | |
| Chromium (VI) | <46.0 | U | 46.0 | mg/kg (dry wt) dry | | 16.9 | | | 200 | 20 |
| **Duplicate (BFG1228-DUP2)** | | **Source: 22F4225-33** | | | Prepared & Analyzed: 7/11/2022 | | | | | |
| Chromium (VI) | <48.5 | U | 48.5 | mg/kg (dry wt) dry | | <48.5 | | | | 20 |
| **MRL Check (BFG1228-MRL1)** | | | | | Prepared & Analyzed: 7/11/2022 | | | | | |
| Chromium (VI) | 4.52 | J | 5.00 | mg/kg (dry wt) wet | 5.00 | | 90.5 | 50-150 | | |
| **SMS (BFG1228-MS1)** | | **Source: 22F4225-25** | | | Prepared & Analyzed: 7/11/2022 | | | | | |
| Chromium (VI) | <46.7 | J1, U | 46.7 | mg/kg (dry wt) dry | 93.4 | 16.9 | NR | 75-125 | | |
| **IMS (BFG1228-MS2)** | | **Source: 22F4225-25** | | | Prepared & Analyzed: 7/11/2022 | | | | | |
| Chromium (VI) | <11400 | J1, U | 11400 | mg/kg (dry wt) dry | 2950 | <11400 | | 75-125 | | |
| **PMS (BFG1228-PS1)** | | **Source: 22F4225-25** | | | Prepared & Analyzed: 7/11/2022 | | | | | |
| Chromium (VI) | 33.2 | J1 | | ug/L | 250 | 44.9 | NR | 85-115 | | |
| ***Batch: BFG2026 - Cr VI*** | | | | | | | | | | |
| **Blank (BFG2026-BLK1)** | | | | | Prepared & Analyzed: 7/15/2022 | | | | | |
| Chromium (VI) | <5.00 | U | 5.00 | mg/kg (dry wt) wet | | | | | | |
| **Duplicate (BFG2026-DUP1)** | | **Source: 22F4225-22** | | | Prepared & Analyzed: 7/15/2022 | | | | | |
| Chromium (VI) | <64.3 | U | 64.3 | mg/kg (dry wt) dry | | 36.3 | | | 200 | 20 |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2026 - Cr VI (Continued)*** | | | | | | | | | | |
| **Duplicate (BFG2026-DUP2)** | | **Source: 22F4225-18** | | | Prepared & Analyzed: 7/15/2022 | | | | | |
| Chromium (VI) | <46.7 | U | 46.7 | mg/kg (dry wt) dry | | <46.7 | | | | 20 |
| **MRL Check (BFG2026-MRL1)** | | | | | Prepared & Analyzed: 7/15/2022 | | | | | |
| Chromium (VI) | 4.11 | J | 5.00 | mg/kg (dry wt) wet | 5.00 | | 82.2 | 50-150 | | |
| **SMS (BFG2026-MS1)** | | **Source: 22F4225-22** | | | Prepared & Analyzed: 7/15/2022 | | | | | |
| Chromium (VI) | <69.3 | J1, U | 69.3 | mg/kg (dry wt) dry | 139 | 36.3 | NR | 75-125 | | |
| **IMS (BFG2026-MS2)** | | **Source: 22F4225-22** | | | Prepared & Analyzed: 7/15/2022 | | | | | |
| Chromium (VI) | <16200 | J1, U | 16200 | mg/kg (dry wt) dry | 4170 | <16200 | | 75-125 | | |
| **PMS (BFG2026-PS1)** | | **Source: 22F4225-22** | | | Prepared & Analyzed: 7/15/2022 | | | | | |
| Chromium (VI) | 18.0 | J1 | | ug/L | 250 | 61.8 | NR | 85-115 | | |
| ***Batch: BFG2213 - Cr VI*** | | | | | | | | | | |
| **Blank (BFG2213-BLK1)** | | | | | Prepared & Analyzed: 7/18/2022 | | | | | |
| Chromium (VI) | <5.00 | U | 5.00 | mg/kg (dry wt) wet | | | | | | |
| **Duplicate (BFG2213-DUP1)** | | **Source: 22F4225-47** | | | Prepared & Analyzed: 7/18/2022 | | | | | |
| Chromium (VI) | <53.6 | U | 53.6 | mg/kg (dry wt) dry | | <53.6 | | | | 20 |
| **Duplicate (BFG2213-DUP2)** | | **Source: 22F4225-88** | | | Prepared & Analyzed: 7/18/2022 | | | | | |
| Chromium (VI) | <39.2 | U | 39.2 | mg/kg (dry wt) dry | | <39.2 | | | | 20 |
| **MRL Check (BFG2213-MRL1)** | | | | | Prepared & Analyzed: 7/18/2022 | | | | | |
| Chromium (VI) | 4.71 | J | 5.00 | mg/kg (dry wt) wet | 5.00 | | 94.3 | 50-150 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2213 - Cr VI (Continued)*** | | | | | | | | | | |
| **SMS (BFG2213-MS1)** | | **Source: 22F4225-47** | | | Prepared & Analyzed: 7/18/2022 | | | | | |
| Chromium (VI) | <48.8 | J1, U | 48.8 | mg/kg (dry wt) dry | 97.5 | <48.8 | | 75-125 | | |
| **IMS (BFG2213-MS2)** | | **Source: 22F4225-47** | | | Prepared & Analyzed: 7/18/2022 | | | | | |
| Chromium (VI) | <12900 | J1, U | 12900 | mg/kg (dry wt) dry | 3330 | <12900 | | 75-125 | | |
| **PMS (BFG2213-PS1)** | | **Source: 22F4225-47** | | | Prepared & Analyzed: 7/18/2022 | | | | | |
| Chromium (VI) | 28.4 | J1 | | ug/L | 250 | 32.2 | NR | 85-115 | | |
| ***Batch: BFG2216 - Cr VI*** | | | | | | | | | | |
| **Blank (BFG2216-BLK1)** | | | | | Prepared: 7/19/2022 Analyzed: 7/20/2022 | | | | | |
| Chromium (VI) | <5.00 | U | 5.00 | mg/kg (dry wt) wet | | | | | | |
| **Duplicate (BFG2216-DUP1)** | | **Source: 22F4225-44** | | | Prepared: 7/19/2022 Analyzed: 7/20/2022 | | | | | |
| Chromium (VI) | 36.9 | J | 58.8 | mg/kg (dry wt) dry | | 41.2 | | | 11.0 | 20 |
| **Duplicate (BFG2216-DUP2)** | | **Source: 22F4225-23** | | | Prepared: 7/19/2022 Analyzed: 7/20/2022 | | | | | |
| Chromium (VI) | 43.7 | J | 62.8 | mg/kg (dry wt) dry | | 36.9 | | | 16.9 | 20 |
| **MRL Check (BFG2216-MRL1)** | | | | | Prepared: 7/19/2022 Analyzed: 7/20/2022 | | | | | |
| Chromium (VI) | 4.22 | J | 5.00 | mg/kg (dry wt) wet | 5.00 | | 84.4 | 50-150 | | |
| **SMS (BFG2216-MS1)** | | **Source: 22F4225-44** | | | Prepared: 7/19/2022 Analyzed: 7/20/2022 | | | | | |
| Chromium (VI) | 31.1 | J1, J | 52.6 | mg/kg (dry wt) dry | 105 | 41.2 | NR | 75-125 | | |
| **IMS (BFG2216-MS2)** | | **Source: 22F4225-44** | | | Prepared: 7/19/2022 Analyzed: 7/20/2022 | | | | | |
| Chromium (VI) | <14500 | J1, U | 14500 | mg/kg (dry wt) dry | 3730 | <14500 | | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2216 - Cr VI (Continued)*** | | | | | | | | | | |
| **PMS (BFG2216-PS1)** | | **Source: 22F4225-44** | | | Prepared: 7/19/2022 Analyzed: 7/20/2022 | | | | | |
| Chromium (VI) | 72.2 | J1 | | ug/L | 250 | 94.2 | NR | 85-115 | | |
| ***Batch: BFG2440 - Cr VI*** | | | | | | | | | | |
| **Blank (BFG2440-BLK1)** | | | | | Prepared: 7/20/2022 Analyzed: 7/22/2022 | | | | | |
| Chromium (VI) | <5.00 | U | 5.00 | mg/kg (dry wt) wet | | | | | | |
| **Duplicate (BFG2440-DUP1)** | | **Source: 22F4225-48** | | | Prepared: 7/20/2022 Analyzed: 7/22/2022 | | | | | |
| Chromium (VI) | 39.2 | J | 53.7 | mg/kg (dry wt) dry | | 31.8 | | | 21.0 | 20 |
| **Duplicate (BFG2440-DUP2)** | | **Source: 22F4225-73** | | | Prepared: 7/20/2022 Analyzed: 7/22/2022 | | | | | |
| Chromium (VI) | <39.9 | U | 39.9 | mg/kg (dry wt) dry | | <39.9 | | | | 20 |
| **MRL Check (BFG2440-MRL1)** | | | | | Prepared: 7/20/2022 Analyzed: 7/22/2022 | | | | | |
| Chromium (VI) | 4.54 | J | 5.00 | mg/kg (dry wt) wet | 5.00 | | 90.8 | 50-150 | | |
| **sms (BFG2440-MS1)** | | **Source: 22F4225-48** | | | Prepared: 7/20/2022 Analyzed: 7/22/2022 | | | | | |
| Chromium (VI) | <50.5 | J1, U | 50.5 | mg/kg (dry wt) dry | 101 | 31.8 | NR | 75-125 | | |
| **ims (BFG2440-MS2)** | | **Source: 22F4225-48** | | | Prepared: 7/20/2022 Analyzed: 7/22/2022 | | | | | |
| Chromium (VI) | <12600 | J1, U | 12600 | mg/kg (dry wt) dry | 3240 | <12600 | | 75-125 | | |
| **pms (BFG2440-PS1)** | | **Source: 22F4225-48** | | | Prepared: 7/20/2022 Analyzed: 7/22/2022 | | | | | |
| Chromium (VI) | 10.8 | J1 | | ug/L | 250 | 75.5 | NR | 85-115 | | |
| ***Batch: BFG2911 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFG2911-MRL1)** | | | | | Prepared & Analyzed: 7/22/2022 | | | | | |
| Mercury | 0.00357 | J | 0.0183 | mg/kg wet | 0.00916 | | 39.0 | | | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG2911 - SW-7471 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFG2911-MS1)** | | **Source: 22F4225-23** | | | Prepared & Analyzed: 7/22/2022 | | | | | |
| Mercury | <0.0996 | J1, U | 0.0996 | mg/kg dry | 1.24 | <0.0996 | | 80-120 | | |
| **Matrix Spike (BFG2911-MS2)** | | **Source: 22F4225-25** | | | Prepared & Analyzed: 7/22/2022 | | | | | |
| Mercury | 0.992 | | 0.0949 | mg/kg dry | 1.19 | <0.0949 | 83.6 | 80-120 | | |
| **Matrix Spike Dup (BFG2911-MSD1)** | | **Source: 22F4225-23** | | | Prepared & Analyzed: 7/22/2022 | | | | | |
| Mercury | 2.29 | J1 | 0.126 | mg/kg dry | 1.57 | <0.126 | 146 | 80-120 | 200 | 20 |
| **Matrix Spike Dup (BFG2911-MSD2)** | | **Source: 22F4225-25** | | | Prepared & Analyzed: 7/22/2022 | | | | | |
| Mercury | 0.971 | | 0.0926 | mg/kg dry | 1.16 | <0.0926 | 83.9 | 80-120 | 2.06 | 20 |
| ***Batch: BFG3191 - Cr VI*** | | | | | | | | | | |
| **Blank (BFG3191-BLK1)** | | | | | Prepared & Analyzed: 7/25/2022 | | | | | |
| Chromium (VI) | <5.00 | U | 5.00 | mg/kg (dry wt) wet | | | | | | |
| **Duplicate (BFG3191-DUP1)** | | **Source: 22F4225-05** | | | Prepared & Analyzed: 7/25/2022 | | | | | |
| Chromium (VI) | <53.9 | U | 53.9 | mg/kg (dry wt) dry | | <53.9 | | | | 20 |
| **MRL Check (BFG3191-MRL1)** | | | | | Prepared & Analyzed: 7/25/2022 | | | | | |
| Chromium (VI) | 4.71 | J | 5.00 | mg/kg (dry wt) wet | 5.00 | | 94.3 | 50-150 | | |
| **SMS (BFG3191-MS1)** | | **Source: 22F4225-05** | | | Prepared & Analyzed: 7/25/2022 | | | | | |
| Chromium (VI) | <55.6 | J1, U | 55.6 | mg/kg (dry wt) dry | 111 | <55.6 | | 75-125 | | |
| **IMS (BFG3191-MS2)** | | **Source: 22F4225-05** | | | Prepared & Analyzed: 7/25/2022 | | | | | |
| Chromium (VI) | <13100 | J1, U | 13100 | mg/kg (dry wt) dry | 3370 | <13100 | | 75-125 | | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG3191 - Cr VI (Continued)*** | | | | | | | | | | |
| **PMS (BFG3191-PS1)** | | **Source: 22F4225-05** | | | Prepared & Analyzed: 7/25/2022 | | | | | |
| Chromium (VI) | 22.5 | J1 | | ug/L | 250 | 26.3 | NR | 85-115 | | |
| ***Batch: BFG3636 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFG3636-MRL1)** | | | | | Prepared & Analyzed: 7/28/2022 | | | | | |
| Mercury | 0.000670 | J | 0.0191 | mg/kg wet | 0.00957 | | 7.00 | | | |
| **Matrix Spike (BFG3636-MS1)** | | **Source: 22F4225-36** | | | Prepared & Analyzed: 7/28/2022 | | | | | |
| Mercury | 1.11 | J1 | 0.113 | mg/kg dry | 1.41 | <0.113 | 78.9 | 80-120 | | |
| **Matrix Spike (BFG3636-MS2)** | | **Source: 22F4225-40** | | | Prepared & Analyzed: 7/28/2022 | | | | | |
| Mercury | 0.999 | J1 | 0.102 | mg/kg dry | 1.27 | <0.102 | 78.6 | 80-120 | | |
| **Matrix Spike Dup (BFG3636-MSD1)** | | **Source: 22F4225-36** | | | Prepared & Analyzed: 7/28/2022 | | | | | |
| Mercury | 1.11 | J1 | 0.112 | mg/kg dry | 1.40 | <0.112 | 79.6 | 80-120 | 0.133 | 20 |
| **Matrix Spike Dup (BFG3636-MSD2)** | | **Source: 22F4225-40** | | | Prepared & Analyzed: 7/28/2022 | | | | | |
| Mercury | 1.08 | | 0.105 | mg/kg dry | 1.31 | <0.105 | 82.4 | 80-120 | 7.99 | 20 |
| ***Batch: BFH0373 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFH0373-MRL1)** | | | | | Prepared & Analyzed: 8/3/2022 | | | | | |
| Mercury | 0.0151 | J | 0.0186 | mg/kg wet | 0.00929 | | 163 | | | |
| **Matrix Spike (BFH0373-MS1)** | | **Source: 22F4225-02** | | | Prepared & Analyzed: 8/3/2022 | | | | | |
| Mercury | 1.29 | | 0.113 | mg/kg dry | 1.42 | <0.113 | 90.8 | 80-120 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH0373 - SW-7471 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH0373-MS2)** | | **Source: 22F4225-27** | | | Prepared & Analyzed: 8/3/2022 | | | | | |
| Mercury | 0.810 | | 0.0735 | mg/kg dry | 0.918 | <0.0735 | 88.2 | 80-120 | | |
| **Matrix Spike Dup (BFH0373-MSD1)** | | **Source: 22F4225-02** | | | Prepared & Analyzed: 8/3/2022 | | | | | |
| Mercury | 1.21 | | 0.107 | mg/kg dry | 1.34 | <0.107 | 90.7 | 80-120 | 5.99 | 20 |
| **Matrix Spike Dup (BFH0373-MSD2)** | | **Source: 22F4225-27** | | | Prepared & Analyzed: 8/3/2022 | | | | | |
| Mercury | 0.953 | | 0.0819 | mg/kg dry | 1.02 | <0.0819 | 93.1 | 80-120 | 16.2 | 20 |
| ***Batch: BFH0643 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFH0643-MRL1)** | | | | | Prepared & Analyzed: 8/4/2022 | | | | | |
| Mercury | 0.0159 | J | 0.0183 | mg/kg wet | 0.00916 | | 174 | | | |
| **Matrix Spike (BFH0643-MS1)** | | **Source: 22F4225-29** | | | Prepared & Analyzed: 8/4/2022 | | | | | |
| Mercury | 0.997 | | 0.0734 | mg/kg dry | 0.917 | <0.0734 | 109 | 80-120 | | |
| **Matrix Spike (BFH0643-MS2)** | | **Source: 22F4225-48** | | | Prepared & Analyzed: 8/4/2022 | | | | | |
| Mercury | 1.21 | | 0.0993 | mg/kg dry | 1.24 | <0.0993 | 97.8 | 80-120 | | |
| **Matrix Spike Dup (BFH0643-MSD1)** | | **Source: 22F4225-29** | | | Prepared & Analyzed: 8/4/2022 | | | | | |
| Mercury | 1.07 | | 0.0826 | mg/kg dry | 1.03 | <0.0826 | 103 | 80-120 | 6.59 | 20 |
| **Matrix Spike Dup (BFH0643-MSD2)** | | **Source: 22F4225-48** | | | Prepared & Analyzed: 8/4/2022 | | | | | |
| Mercury | 1.36 | | 0.103 | mg/kg dry | 1.29 | <0.103 | 105 | 80-120 | 11.3 | 20 |
| ***Batch: BFH1110 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BFH1110-BLK1)** | | | | | Prepared: 8/9/2022 Analyzed: 8/15/2022 | | | | | |
| Antimony | <1.59 | U | 1.59 | mg/kg wet | | | | | | |
| Arsenic | <0.794 | U | 0.794 | mg/kg wet | | | | | | |
| Cadmium | <1.59 | U | 1.59 | mg/kg wet | | | | | | |
| Chromium | <4.76 | U | 4.76 | mg/kg wet | | | | | | |
| Copper | <1.59 | U | 1.59 | mg/kg wet | | | | | | |
| Lead | <0.794 | U | 0.794 | mg/kg wet | | | | | | |
| Nickel | <1.59 | U | 1.59 | mg/kg wet | | | | | | |
| Silver | <0.794 | U | 0.794 | mg/kg wet | | | | | | |
| Thallium | <0.794 | U | 0.794 | mg/kg wet | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1110 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Blank (BFH1110-BLK2)** | | | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Zinc | <3.17 | U | 3.17 | mg/kg wet | | | | | | |
| **Blank (BFH1110-BLK3)** | | | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Beryllium | <0.317 | U | 0.317 | mg/kg wet | | | | | | |
| Selenium | <7.94 | U | 7.94 | mg/kg wet | | | | | | |
| **LCS (BFH1110-BS1)** | | | | | Prepared: 8/9/2022 Analyzed: 8/15/2022 | | | | | |
| Antimony | 9.83 | | 1.06 | mg/kg wet | 8.87 | | 111 | 85-115 | | |
| Arsenic | 4.62 | | 0.532 | mg/kg wet | 4.43 | | 104 | 85-115 | | |
| Cadmium | 9.46 | | 1.06 | mg/kg wet | 8.87 | | 107 | 85-115 | | |
| Chromium | 25.9 | | 3.19 | mg/kg wet | 26.6 | | 97.3 | 85-115 | | |
| Copper | 9.07 | | 1.06 | mg/kg wet | 8.87 | | 102 | 85-115 | | |
| Lead | 4.53 | | 0.532 | mg/kg wet | 4.43 | | 102 | 85-115 | | |
| Nickel | 8.52 | | 1.06 | mg/kg wet | 8.87 | | 96.2 | 85-115 | | |
| Silver | 4.56 | | 0.532 | mg/kg wet | 4.43 | | 103 | 85-115 | | |
| Thallium | 4.45 | | 0.532 | mg/kg wet | 4.43 | | 100 | 85-115 | | |
| **LCS (BFH1110-BS2)** | | | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Zinc | 18.7 | | 2.13 | mg/kg wet | 17.7 | | 106 | 85-115 | | |
| **LCS (BFH1110-BS3)** | | | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Beryllium | 1.85 | | 0.213 | mg/kg wet | 1.77 | | 104 | 85-115 | | |
| Selenium | 18.9 | | 5.32 | mg/kg wet | 17.7 | | 107 | 85-115 | | |
| **Duplicate (BFH1110-DUP1)** | | | **Source: 22F4225-02** | | Prepared: 8/9/2022 Analyzed: 8/15/2022 | | | | | |
| Antimony | <4.89 | U | 4.89 | mg/kg dry | | <4.89 | | | | 20 |
| Arsenic | 9.09 | | 2.45 | mg/kg dry | | 8.69 | | | 4.51 | 20 |
| Cadmium | 0.549 | J | 4.89 | mg/kg dry | | 0.528 | | | 3.97 | 20 |
| Chromium | <14.7 | U | 14.7 | mg/kg dry | | <14.7 | | | | 20 |
| Copper | 14.0 | | 4.89 | mg/kg dry | | 13.0 | | | 7.50 | 20 |
| Lead | 0.496 | J | 2.45 | mg/kg dry | | 0.376 | | | 200 | 20 |
| Nickel | 3.59 | J | 4.89 | mg/kg dry | | 3.42 | | | 4.73 | 20 |
| Silver | 0.143 | J | 2.45 | mg/kg dry | | 0.131 | | | 8.52 | 20 |
| Thallium | <2.45 | U | 2.45 | mg/kg dry | | <2.45 | | | | 20 |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1110 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BFH1110-DUP2)** | | **Source: 22F4225-17** | | Prepared: 8/9/2022 Analyzed: 8/15/2022 | | | | | | |
| Antimony | <6.28 | U | 6.28 | mg/kg dry | | <6.28 | | | | 20 |
| Cadmium | 0.619 | J | 6.28 | mg/kg dry | | 0.765 | | | 21.1 | 20 |
| Chromium | <18.8 | U | 18.8 | mg/kg dry | | <18.8 | | | 200 | 20 |
| Copper | 16.0 | J1 | 6.28 | mg/kg dry | | 19.7 | | | 20.5 | 20 |
| Lead | 0.599 | J | 3.14 | mg/kg dry | | 0.752 | | | 22.7 | 20 |
| Nickel | 3.34 | J | 6.28 | mg/kg dry | | 3.82 | | | 13.4 | 20 |
| Silver | 0.184 | J | 3.14 | mg/kg dry | | 0.242 | | | 27.1 | 20 |
| Thallium | <3.14 | U | 3.14 | mg/kg dry | | <3.14 | | | | 20 |
| **Duplicate (BFH1110-DUP3)** | | **Source: 22F4225-02** | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | | |
| Zinc | 125 | | 9.78 | mg/kg dry | | 118 | | | 5.15 | 20 |
| **Duplicate (BFH1110-DUP4)** | | **Source: 22F4225-17** | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | | |
| Arsenic | 9.80 | | 3.14 | mg/kg dry | | 11.3 | | | 14.5 | 20 |
| Zinc | 140 | | 12.6 | mg/kg dry | | 169 | | | 19.2 | 20 |
| **Duplicate (BFH1110-DUP5)** | | **Source: 22F4225-02** | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | | |
| Beryllium | <0.978 | U | 0.978 | mg/kg dry | | <0.978 | | | | 20 |
| Selenium | <24.5 | U | 24.5 | mg/kg dry | | <24.5 | | | | 20 |
| **Duplicate (BFH1110-DUP6)** | | **Source: 22F4225-17** | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | | |
| Beryllium | <1.26 | U | 1.26 | mg/kg dry | | <1.26 | | | | 20 |
| Selenium | <31.4 | U | 31.4 | mg/kg dry | | <31.4 | | | | 20 |
| **MDL Check (BFH1110-MRL1)** | | | | Prepared: 8/9/2022 Analyzed: 8/15/2022 | | | | | | |
| Cadmium | 0.0490 | J | 1.78 | mg/kg wet | 0.0148 | | 330 | | | |
| **MDL Check (BFH1110-MRL2)** | | | | Prepared: 8/9/2022 Analyzed: 8/15/2022 | | | | | | |
| Antimony | 6.78 | | 1.46 | mg/kg wet | 6.08 | | 112 | | | |
| Arsenic | 0.667 | J | 0.730 | mg/kg wet | 0.608 | | 110 | | | |
| Chromium | 2.04 | J | 4.38 | mg/kg wet | 1.82 | | 112 | | | |
| Copper | 1.51 | | 1.46 | mg/kg wet | 1.22 | | 124 | | | |
| Lead | 0.601 | J | 0.730 | mg/kg wet | 0.608 | | 98.8 | | | |
| Silver | 0.333 | J | 0.730 | mg/kg wet | 0.304 | | 109 | | | |
| Thallium | 0.299 | J | 0.730 | mg/kg wet | 0.304 | | 98.4 | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1110 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **MDL Check (BFH1110-MRL4)** | | | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Zinc | 16.1 | | 2.92 | mg/kg wet | 12.2 | | 132 | | | |
| **MDL Check (BFH1110-MRL6)** | | | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Beryllium | 0.123 | J | 0.292 | mg/kg wet | 0.122 | | 101 | | | |
| Selenium | 12.2 | | 7.30 | mg/kg wet | 12.2 | | 100 | | | |
| **Matrix Spike (BFH1110-MS1)** | | **Source: 22F4225-02** | | | Prepared: 8/9/2022 Analyzed: 8/15/2022 | | | | | |
| Antimony | 50.0 | | 5.54 | mg/kg dry | 46.2 | <5.54 | 108 | 75-125 | | |
| Arsenic | 34.9 | | 2.77 | mg/kg dry | 23.1 | 8.69 | 114 | 75-125 | | |
| Cadmium | 47.4 | | 5.54 | mg/kg dry | 46.2 | 0.528 | 101 | 75-125 | | |
| Chromium | 137 | | 16.6 | mg/kg dry | 139 | <16.6 | 99.1 | 75-125 | | |
| Copper | 60.0 | | 5.54 | mg/kg dry | 46.2 | 13.0 | 102 | 75-125 | | |
| Lead | 23.8 | | 2.77 | mg/kg dry | 23.1 | <2.77 | 103 | 75-125 | | |
| Nickel | 47.1 | | 5.54 | mg/kg dry | 46.2 | 3.42 | 94.5 | 75-125 | | |
| Silver | 21.8 | | 2.77 | mg/kg dry | 23.1 | 0.131 | 93.8 | 75-125 | | |
| Thallium | 22.4 | | 2.77 | mg/kg dry | 23.1 | <2.77 | 96.9 | 75-125 | | |
| **Matrix Spike (BFH1110-MS2)** | | **Source: 22F4225-17** | | | Prepared: 8/9/2022 Analyzed: 8/15/2022 | | | | | |
| Antimony | 55.9 | | 6.22 | mg/kg dry | 51.9 | <6.22 | 108 | 75-125 | | |
| Cadmium | 55.0 | | 6.22 | mg/kg dry | 51.9 | 0.765 | 105 | 75-125 | | |
| Chromium | 151 | | 18.7 | mg/kg dry | 156 | <18.7 | 97.0 | 75-125 | | |
| Copper | 64.0 | | 6.22 | mg/kg dry | 51.9 | 19.7 | 85.6 | 75-125 | | |
| Lead | 25.9 | | 3.11 | mg/kg dry | 25.9 | 0.752 | 96.8 | 75-125 | | |
| Nickel | 50.5 | | 6.22 | mg/kg dry | 51.9 | 3.82 | 90.0 | 75-125 | | |
| Silver | 25.0 | | 3.11 | mg/kg dry | 25.9 | 0.242 | 95.4 | 75-125 | | |
| Thallium | 25.9 | | 3.11 | mg/kg dry | 25.9 | <3.11 | 100 | 75-125 | | |
| **Matrix Spike (BFH1110-MS3)** | | **Source: 22F4225-02** | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Zinc | 221 | | 22.2 | mg/kg dry | 92.4 | 118 | 111 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1110 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH1110-MS4)** | | **Source: 22F4225-17** | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Arsenic | 43.1 | | 3.11 | mg/kg dry | 25.9 | 11.3 | 123 | 75-125 | | |
| Zinc | 258 | | 24.9 | mg/kg dry | 104 | 169 | 85.6 | 75-125 | | |
| **Matrix Spike (BFH1110-MS5)** | | **Source: 22F4225-02** | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Beryllium | 9.46 | | 1.11 | mg/kg dry | 9.24 | <1.11 | 102 | 75-125 | | |
| Selenium | 114 | | 27.7 | mg/kg dry | 92.4 | <27.7 | 123 | 75-125 | | |
| **Matrix Spike (BFH1110-MS6)** | | **Source: 22F4225-17** | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Beryllium | 10.9 | | 1.24 | mg/kg dry | 10.4 | <1.24 | 105 | 75-125 | | |
| Selenium | 128 | | 31.1 | mg/kg dry | 104 | <31.1 | 123 | 75-125 | | |
| ***Batch: BFH1125 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BFH1125-BLK1)** | | | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Antimony | <1.45 | U | 1.45 | mg/kg wet | | | | | | |
| Arsenic | <0.725 | U | 0.725 | mg/kg wet | | | | | | |
| Cadmium | <1.45 | U | 1.45 | mg/kg wet | | | | | | |
| Chromium | <4.35 | U | 4.35 | mg/kg wet | | | | | | |
| Copper | 0.157 | J | 1.45 | mg/kg wet | | | | | | |
| Lead | <0.725 | U | 0.725 | mg/kg wet | | | | | | |
| Nickel | 0.0310 | J | 1.45 | mg/kg wet | | | | | | |
| Silver | <0.725 | U | 0.725 | mg/kg wet | | | | | | |
| Thallium | <0.725 | U | 0.725 | mg/kg wet | | | | | | |
| Zinc | <2.90 | U | 2.90 | mg/kg wet | | | | | | |
| **Blank (BFH1125-BLK2)** | | | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | |
| Beryllium | <0.290 | U | 0.290 | mg/kg wet | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1125 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Blank (BFH1125-BLK3)** | | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | | |
| Selenium | <7.25 | U | 7.25 | mg/kg wet | | | | | | |
| **LCS (BFH1125-BS1)** | | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | | |
| Antimony | 13.3 | | 1.45 | mg/kg wet | 12.1 | | 110 | 85-115 | | |
| Arsenic | 6.33 | | 0.725 | mg/kg wet | 6.04 | | 105 | 85-115 | | |
| Cadmium | 13.4 | | 1.45 | mg/kg wet | 12.1 | | 111 | 85-115 | | |
| Chromium | 36.8 | | 4.35 | mg/kg wet | 36.2 | | 101 | 85-115 | | |
| Copper | 12.9 | | 1.45 | mg/kg wet | 12.1 | | 107 | 85-115 | | |
| Lead | 6.24 | | 0.725 | mg/kg wet | 6.04 | | 103 | 85-115 | | |
| Nickel | 12.2 | | 1.45 | mg/kg wet | 12.1 | | 101 | 85-115 | | |
| Silver | 6.58 | | 0.725 | mg/kg wet | 6.04 | | 109 | 85-115 | | |
| Thallium | 6.25 | | 0.725 | mg/kg wet | 6.04 | | 104 | 85-115 | | |
| Zinc | 25.5 | | 2.90 | mg/kg wet | 24.2 | | 106 | 85-115 | | |
| **LCS (BFH1125-BS2)** | | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | | |
| Beryllium | 2.61 | | 0.290 | mg/kg wet | 2.42 | | 108 | 85-115 | | |
| **LCS (BFH1125-BS3)** | | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | | |
| Selenium | 27.7 | | 7.25 | mg/kg wet | 24.2 | | 115 | 85-115 | | |
| **Duplicate (BFH1125-DUP1)** | | | **Source: 22F4225-25** | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | | |
| Antimony | <3.92 | U | 3.92 | mg/kg dry | | <3.92 | | | | 20 |
| Arsenic | 11.5 | | 1.96 | mg/kg dry | | 11.1 | | | 4.16 | 20 |
| Cadmium | 0.583 | J | 3.92 | mg/kg dry | | 0.604 | | | 3.65 | 20 |
| Chromium | 0.295 | J | 11.8 | mg/kg dry | | <11.8 | | | 200 | 20 |
| Copper | 16.1 | | 3.92 | mg/kg dry | | 16.2 | | | 0.537 | 20 |
| Lead | 0.532 | J | 1.96 | mg/kg dry | | 0.554 | | | 4.04 | 20 |
| Nickel | 4.00 | | 3.92 | mg/kg dry | | 3.57 | | | 11.5 | 20 |
| Silver | 0.213 | J | 1.96 | mg/kg dry | | 0.199 | | | 7.03 | 20 |
| Thallium | <1.96 | U | 1.96 | mg/kg dry | | <1.96 | | | | 20 |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1125 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BFH1125-DUP2)** | | **Source: 22F4225-27** | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | | |
| Antimony | <4.66 | U | 4.66 | mg/kg dry | | <4.66 | | | | 20 |
| Arsenic | 11.2 | | 2.33 | mg/kg dry | | 10.1 | | | 10.2 | 20 |
| Beryllium | <0.932 | U | 0.932 | mg/kg dry | | <0.932 | | | | 20 |
| Cadmium | 0.562 | J | 4.66 | mg/kg dry | | 0.502 | | | 11.4 | 20 |
| Chromium | 0.405 | J | 14.0 | mg/kg dry | | 0.501 | | | 21.3 | 20 |
| Copper | 16.2 | | 4.66 | mg/kg dry | | 15.1 | | | 7.44 | 20 |
| Lead | 0.568 | J | 2.33 | mg/kg dry | | 0.511 | | | 10.6 | 20 |
| Nickel | 3.55 | J | 4.66 | mg/kg dry | | 3.34 | | | 6.08 | 20 |
| Silver | 0.216 | J | 2.33 | mg/kg dry | | 0.209 | | | 3.64 | 20 |
| Thallium | <2.33 | U | 2.33 | mg/kg dry | | <2.33 | | | | 20 |
| **Duplicate (BFH1125-DUP3)** | | **Source: 22F4225-25** | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | | |
| Beryllium | <0.784 | U | 0.784 | mg/kg dry | | <0.784 | | | | 20 |
| **Duplicate (BFH1125-DUP4)** | | **Source: 22F4225-25** | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | | |
| Selenium | <19.6 | U | 19.6 | mg/kg dry | | <19.6 | | | | 20 |
| Zinc | 131 | | 15.7 | mg/kg dry | | 129 | | | 2.03 | 20 |
| **Duplicate (BFH1125-DUP5)** | | **Source: 22F4225-27** | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | | |
| Selenium | <23.3 | U | 23.3 | mg/kg dry | | <23.3 | | | | 20 |
| Zinc | 116 | | 9.32 | mg/kg dry | | 111 | | | 5.09 | 20 |
| **MDL Check (BFH1125-MRL1)** | | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | | |
| Cadmium | 0.0260 | J | 1.55 | mg/kg wet | 0.0130 | | 201 | | | |
| Nickel | 0.0323 | J | 1.55 | mg/kg wet | 0.0130 | | 249 | | | |
| **MDL Check (BFH1125-MRL2)** | | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | | |
| Antimony | 5.49 | | 1.10 | mg/kg wet | 4.58 | | 120 | | | |
| Arsenic | 0.529 | J | 0.549 | mg/kg wet | 0.458 | | 116 | | | |
| Chromium | 1.72 | J | 3.30 | mg/kg wet | 1.37 | | 125 | | | |
| Copper | 1.20 | | 1.10 | mg/kg wet | 0.916 | | 131 | | | |
| Lead | 0.494 | J | 0.549 | mg/kg wet | 0.458 | | 108 | | | |
| Silver | 0.284 | J | 0.549 | mg/kg wet | 0.229 | | 124 | | | |
| Thallium | 0.251 | J | 0.549 | mg/kg wet | 0.229 | | 110 | | | |
| Zinc | 10.5 | | 2.20 | mg/kg wet | 9.16 | | 114 | | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1125 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **MDL Check (BFH1125-MRL4)** | | | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | |
| Beryllium | 0.0952 | J | 0.220 | mg/kg wet | 0.0916 | | 104 | | | |
| **MDL Check (BFH1125-MRL6)** | | | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 9.67 | | 5.49 | mg/kg wet | 9.16 | | 106 | 70-130 | | |
| **Matrix Spike (BFH1125-MS1)** | | **Source: 22F4225-25** | | | Prepared: 8/9/2022 Analyzed: 8/16/2022 | | | | | |
| Antimony | 35.3 | | 3.38 | mg/kg dry | 28.2 | <3.38 | 125 | 75-125 | | |
| Cadmium | 34.7 | | 3.38 | mg/kg dry | 28.2 | 0.604 | 121 | 75-125 | | |
| Chromium | 102 | | 10.1 | mg/kg dry | 84.6 | 0.266 | 120 | 75-125 | | |
| Copper | 44.1 | | 3.38 | mg/kg dry | 28.2 | 16.2 | 99.1 | 75-125 | | |
| Lead | 15.5 | | 1.69 | mg/kg dry | 14.1 | 0.554 | 106 | 75-125 | | |
| Nickel | 35.2 | | 3.38 | mg/kg dry | 28.2 | 3.57 | 112 | 75-125 | | |
| Silver | 15.7 | | 1.69 | mg/kg dry | 14.1 | 0.199 | 110 | 75-125 | | |
| Thallium | 15.5 | | 1.69 | mg/kg dry | 14.1 | <1.69 | 110 | 75-125 | | |
| **Matrix Spike (BFH1125-MS2)** | | **Source: 22F4225-27** | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | |
| Antimony | 37.5 | | 3.72 | mg/kg dry | 31.0 | <3.72 | 121 | 75-125 | | |
| Arsenic | 30.6 | J1 | 3.72 | mg/kg dry | 15.5 | 10.1 | 132 | 75-125 | | |
| Beryllium | 8.16 | J1 | 0.744 | mg/kg dry | 6.20 | <0.744 | 132 | 75-125 | | |
| Cadmium | 38.0 | | 3.72 | mg/kg dry | 31.0 | 0.502 | 121 | 75-125 | | |
| Chromium | 112 | | 11.2 | mg/kg dry | 93.0 | 0.501 | 119 | 75-125 | | |
| Copper | 49.6 | | 3.72 | mg/kg dry | 31.0 | 15.1 | 111 | 75-125 | | |
| Lead | 17.0 | | 1.86 | mg/kg dry | 15.5 | 0.511 | 106 | 75-125 | | |
| Nickel | 39.0 | | 3.72 | mg/kg dry | 31.0 | 3.34 | 115 | 75-125 | | |
| Silver | 17.6 | | 1.86 | mg/kg dry | 15.5 | 0.209 | 112 | 75-125 | | |
| Thallium | 17.1 | | 1.86 | mg/kg dry | 15.5 | <1.86 | 111 | 75-125 | | |
| **Matrix Spike (BFH1125-MS3)** | | **Source: 22F4225-25** | | | Prepared: 8/9/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 26.8 | | 3.38 | mg/kg dry | 14.1 | 11.1 | 111 | 75-125 | | |
| Beryllium | 6.73 | | 0.676 | mg/kg dry | 5.64 | 0.0371 | 119 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH1125 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH1125-MS4)** | | **Source: 22F4225-25** | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 82.1 | J1 | 16.9 | mg/kg dry | 56.4 | <16.9 | 146 | 75-125 | | |
| Zinc | 168 | J1 | 13.5 | mg/kg dry | 56.4 | 129 | 70.3 | 75-125 | | |
| **Matrix Spike (BFH1125-MS5)** | | **Source: 22F4225-27** | | | Prepared: 8/9/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 92.2 | J1 | 18.6 | mg/kg dry | 62.0 | <18.6 | 149 | 75-125 | | |
| Zinc | 187 | | 14.9 | mg/kg dry | 62.0 | 111 | 123 | 75-125 | | |
| ***Batch: BFH1159 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFH1159-MRL1)** | | | | | Prepared & Analyzed: 8/9/2022 | | | | | |
| Mercury | 0.00856 | J | 0.0183 | mg/kg wet | 0.00916 | | 93.5 | | | |
| **Matrix Spike (BFH1159-MS1)** | | **Source: 22F4225-44** | | | Prepared & Analyzed: 8/9/2022 | | | | | |
| Mercury | 1.22 | | 0.102 | mg/kg dry | 1.28 | <0.102 | 95.3 | 80-120 | | |
| **Matrix Spike (BFH1159-MS2)** | | **Source: 22F4240-08** | | | Prepared & Analyzed: 8/9/2022 | | | | | |
| Mercury | 1.08 | | 0.0841 | mg/kg dry | 1.05 | <0.0841 | 102 | 80-120 | | |
| **Matrix Spike Dup (BFH1159-MSD1)** | | **Source: 22F4225-44** | | | Prepared & Analyzed: 8/9/2022 | | | | | |
| Mercury | 1.31 | | 0.109 | mg/kg dry | 1.36 | <0.109 | 96.6 | 80-120 | 7.50 | 20 |
| **Matrix Spike Dup (BFH1159-MSD2)** | | **Source: 22F4240-08** | | | Prepared & Analyzed: 8/9/2022 | | | | | |
| Mercury | 1.19 | | 0.0952 | mg/kg dry | 1.19 | <0.0952 | 100 | 80-120 | 10.2 | 20 |
| ***Batch: BFH2042 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BFH2042-BLK1)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | <0.605 | U | 0.605 | mg/kg wet | | | | | | |
| Cadmium | <1.21 | U | 1.21 | mg/kg wet | | | | | | |
| Chromium | <3.63 | U | 3.63 | mg/kg wet | | | | | | |
| Copper | <1.21 | U | 1.21 | mg/kg wet | | | | | | |
| Nickel | <1.21 | U | 1.21 | mg/kg wet | | | | | | |
| Thallium | <0.605 | U | 0.605 | mg/kg wet | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2042 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Blank (BFH2042-BLK2)** | | | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Antimony | <1.21 | U | 1.21 | mg/kg wet | | | | | | |
| Beryllium | <0.242 | U | 0.242 | mg/kg wet | | | | | | |
| Lead | <0.605 | U | 0.605 | mg/kg wet | | | | | | |
| Silver | <0.605 | U | 0.605 | mg/kg wet | | | | | | |
| Zinc | <2.42 | U | 2.42 | mg/kg wet | | | | | | |
| **Blank (BFH2042-BLK3)** | | | | | Prepared: 8/15/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | <6.05 | U | 6.05 | mg/kg wet | | | | | | |
| **LCS (BFH2042-BS1)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 5.37 | | 0.586 | mg/kg wet | 4.88 | | 110 | 85-115 | | |
| Cadmium | 9.42 | | 1.17 | mg/kg wet | 9.77 | | 96.4 | 85-115 | | |
| Chromium | 30.1 | | 3.52 | mg/kg wet | 29.3 | | 103 | 85-115 | | |
| Copper | 9.35 | | 1.17 | mg/kg wet | 9.77 | | 95.7 | 85-115 | | |
| Nickel | 9.28 | | 1.17 | mg/kg wet | 9.77 | | 95.0 | 85-115 | | |
| Thallium | 4.71 | | 0.586 | mg/kg wet | 4.88 | | 96.5 | 85-115 | | |
| **LCS (BFH2042-BS2)** | | | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Antimony | 11.2 | | 1.17 | mg/kg wet | 9.77 | | 114 | 85-115 | | |
| Beryllium | 2.13 | | 0.234 | mg/kg wet | 1.95 | | 109 | 85-115 | | |
| Lead | 5.29 | | 0.586 | mg/kg wet | 4.88 | | 108 | 85-115 | | |
| Silver | 4.33 | | 0.586 | mg/kg wet | 4.88 | | 88.7 | 85-115 | | |
| Zinc | 22.1 | | 2.34 | mg/kg wet | 19.5 | | 113 | 85-115 | | |
| **LCS (BFH2042-BS3)** | | | | | Prepared: 8/15/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 22.1 | | 5.86 | mg/kg wet | 19.5 | | 113 | 85-115 | | |
| **Duplicate (BFH2042-DUP1)** | | | **Source: 22F4225-47** | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 9.88 | | 2.49 | mg/kg dry | | 10.3 | | | 3.76 | 20 |
| Cadmium | 0.568 | J | 4.98 | mg/kg dry | | 0.602 | | | 5.72 | 20 |
| Chromium | <15.0 | U | 15.0 | mg/kg dry | | 0.388 | | | 200 | 20 |
| Copper | 13.0 | | 4.98 | mg/kg dry | | 13.7 | | | 5.44 | 20 |
| Nickel | 3.52 | J | 4.98 | mg/kg dry | | 3.76 | | | 6.60 | 20 |
| Thallium | <2.49 | U | 2.49 | mg/kg dry | | <2.49 | | | | 20 |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2042 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BFH2042-DUP2)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Antimony | <4.98 | U | 4.98 | mg/kg dry | | <4.98 | | | | 20 |
| Beryllium | <0.997 | U | 0.997 | mg/kg dry | | <0.997 | | | | 20 |
| Lead | 0.661 | J | 2.49 | mg/kg dry | | 0.727 | | | 9.55 | 20 |
| Silver | 0.245 | J | 2.49 | mg/kg dry | | 0.270 | | | 9.53 | 20 |
| Zinc | 148 | | 9.97 | mg/kg dry | | 134 | | | 9.88 | 20 |
| **Duplicate (BFH2042-DUP3)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | <24.9 | U | 24.9 | mg/kg dry | | <24.9 | | | | 20 |
| **MRL Check (BFH2042-MRL1)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 0.535 | J | 0.574 | mg/kg wet | 0.478 | | 112 | | | |
| Chromium | 1.67 | J | 3.44 | mg/kg wet | 1.43 | | 117 | | | |
| Copper | 1.10 | J | 1.15 | mg/kg wet | 0.956 | | 115 | | | |
| Thallium | 0.226 | J | 0.574 | mg/kg wet | 0.239 | | 94.6 | | | |
| **MRL Check (BFH2042-MRL2)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Cadmium | 0.00798 | J | 0.939 | mg/kg wet | 0.00391 | | 204 | | | |
| Nickel | 0.00845 | J | 0.939 | mg/kg wet | 0.00391 | | 216 | | | |
| **MRL Check (BFH2042-MRL3)** | | | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Antimony | 6.71 | | 1.15 | mg/kg wet | 4.78 | | 140 | | | |
| Beryllium | 0.116 | J | 0.229 | mg/kg wet | 0.0956 | | 122 | | | |
| Lead | 0.605 | | 0.574 | mg/kg wet | 0.478 | | 127 | | | |
| Silver | 0.321 | J | 0.574 | mg/kg wet | 0.239 | | 134 | | | |
| Zinc | 12.4 | | 2.29 | mg/kg wet | 9.56 | | 130 | | | |
| **MRL Check (BFH2042-MRL5)** | | | | | Prepared: 8/15/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 10.6 | | 5.74 | mg/kg wet | 9.56 | | 111 | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2042 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH2042-MS1)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 28.8 | | 1.99 | mg/kg dry | 16.6 | 10.3 | 112 | 75-125 | | |
| Cadmium | 34.4 | | 3.97 | mg/kg dry | 33.1 | 0.602 | 102 | 75-125 | | |
| Chromium | 99.8 | | 11.9 | mg/kg dry | 99.3 | 0.388 | 100 | 75-125 | | |
| Copper | 45.1 | | 3.97 | mg/kg dry | 33.1 | 13.7 | 94.9 | 75-125 | | |
| Nickel | 35.6 | | 3.97 | mg/kg dry | 33.1 | 3.76 | 96.2 | 75-125 | | |
| Thallium | 15.0 | | 1.99 | mg/kg dry | 16.6 | <1.99 | 90.8 | 75-125 | | |
| **Matrix Spike (BFH2042-MS2)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Antimony | 44.7 | J1 | 3.97 | mg/kg dry | 33.1 | <3.97 | 135 | 75-125 | | |
| Beryllium | 8.93 | J1 | 0.795 | mg/kg dry | 6.62 | <0.795 | 135 | 75-125 | | |
| Lead | 20.5 | | 1.99 | mg/kg dry | 16.6 | 0.727 | 119 | 75-125 | | |
| Silver | 14.2 | | 1.99 | mg/kg dry | 16.6 | 0.270 | 84.3 | 75-125 | | |
| **Matrix Spike (BFH2042-MS3)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Zinc | 194 | | 15.9 | mg/kg dry | 66.2 | 134 | 91.4 | 75-125 | | |
| **Matrix Spike (BFH2042-MS4)** | | **Source: 22F4225-47** | | | Prepared: 8/15/2022 Analyzed: 8/23/2022 | | | | | |
| Selenium | 85.3 | J1 | 19.9 | mg/kg dry | 66.2 | <19.9 | 129 | 75-125 | | |
| ***Batch: BFH2043 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BFH2043-BLK1)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Antimony | <1.01 | U | 1.01 | mg/kg wet | | | | | | |
| Beryllium | <0.201 | U | 0.201 | mg/kg wet | | | | | | |
| Cadmium | <1.01 | U | 1.01 | mg/kg wet | | | | | | |
| Chromium | <3.02 | U | 3.02 | mg/kg wet | | | | | | |
| Copper | <1.01 | U | 1.01 | mg/kg wet | | | | | | |
| Lead | <0.503 | U | 0.503 | mg/kg wet | | | | | | |
| Nickel | <1.01 | U | 1.01 | mg/kg wet | | | | | | |
| Silver | <0.503 | U | 0.503 | mg/kg wet | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2043 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Blank (BFH2043-BLK2)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | <0.503 | U | 0.503 | mg/kg wet | | | | | | |
| Thallium | <0.503 | U | 0.503 | mg/kg wet | | | | | | |
| **Blank (BFH2043-BLK3)** | | | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Zinc | <2.01 | U | 2.01 | mg/kg wet | | | | | | |
| **Blank (BFH2043-BLK4)** | | | | | Prepared: 8/15/2022 Analyzed: 8/25/2022 | | | | | |
| Selenium | <5.03 | U | 5.03 | mg/kg wet | | | | | | |
| **LCS (BFH2043-BS1)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Antimony | 9.42 | | 0.988 | mg/kg wet | 8.24 | | 114 | 85-115 | | |
| Beryllium | 1.76 | | 0.198 | mg/kg wet | 1.65 | | 107 | 85-115 | | |
| Cadmium | 9.50 | | 0.988 | mg/kg wet | 8.24 | | 115 | 85-115 | | |
| Chromium | 24.8 | | 2.97 | mg/kg wet | 24.7 | | 100 | 85-115 | | |
| Copper | 8.77 | | 0.988 | mg/kg wet | 8.24 | | 107 | 85-115 | | |
| Lead | 3.87 | | 0.494 | mg/kg wet | 4.12 | | 94.0 | 85-115 | | |
| Nickel | 8.29 | | 0.988 | mg/kg wet | 8.24 | | 101 | 85-115 | | |
| Silver | 4.51 | | 0.494 | mg/kg wet | 4.12 | | 110 | 85-115 | | |
| **LCS (BFH2043-BS2)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 4.44 | | 0.494 | mg/kg wet | 4.12 | | 108 | 85-115 | | |
| Thallium | 4.19 | | 0.494 | mg/kg wet | 4.12 | | 102 | 85-115 | | |
| **LCS (BFH2043-BS3)** | | | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Zinc | 18.7 | | 1.98 | mg/kg wet | 16.5 | | 113 | 85-115 | | |
| **LCS (BFH2043-BS4)** | | | | | Prepared: 8/15/2022 Analyzed: 8/25/2022 | | | | | |
| Selenium | 19.8 | J1 | 4.94 | mg/kg wet | 16.5 | | 120 | 85-115 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2043 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BFH2043-DUP1)** | | | **Source: 22F4225-22** | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Antimony | <6.96 | U | 6.96 | mg/kg dry | | <6.96 | | | | 20 |
| Beryllium | <1.39 | U | 1.39 | mg/kg dry | | <1.39 | | | | 20 |
| Cadmium | 0.589 | J | 6.96 | mg/kg dry | | 0.668 | | | 12.5 | 20 |
| Chromium | <20.9 | U | 20.9 | mg/kg dry | | <20.9 | | | | 20 |
| Copper | 14.2 | | 6.96 | mg/kg dry | | 13.5 | | | 5.05 | 20 |
| Lead | 0.533 | J | 3.48 | mg/kg dry | | 0.726 | | | 30.7 | 20 |
| Nickel | 3.75 | J | 6.96 | mg/kg dry | | 3.97 | | | 5.67 | 20 |
| Silver | 0.205 | J | 3.48 | mg/kg dry | | 0.263 | | | 25.0 | 20 |
| **Duplicate (BFH2043-DUP2)** | | | **Source: 22F4225-23** | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 10.6 | | 1.98 | mg/kg dry | | 10.3 | | | 2.70 | 20 |
| Cadmium | 0.590 | J | 3.96 | mg/kg dry | | 0.624 | | | 5.75 | 20 |
| Chromium | <11.9 | U | 11.9 | mg/kg dry | | <11.9 | | | | 20 |
| Copper | 12.4 | | 3.96 | mg/kg dry | | 12.8 | | | 3.55 | 20 |
| Nickel | 2.89 | J | 3.96 | mg/kg dry | | 3.07 | | | 6.04 | 20 |
| Silver | 0.156 | J | 1.98 | mg/kg dry | | 0.164 | | | 4.64 | 20 |
| Thallium | <1.98 | U | 1.98 | mg/kg dry | | <1.98 | | | | 20 |
| **Duplicate (BFH2043-DUP3)** | | | **Source: 22F4225-22** | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 10.2 | | 3.48 | mg/kg dry | | 10.7 | | | 4.25 | 20 |
| Thallium | <3.48 | U | 3.48 | mg/kg dry | | <3.48 | | | | 20 |
| **Duplicate (BFH2043-DUP4)** | | | **Source: 22F4225-22** | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Zinc | 157 | | 13.9 | mg/kg dry | | 165 | | | 5.00 | 20 |
| **Duplicate (BFH2043-DUP5)** | | | **Source: 22F4225-23** | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Antimony | <3.96 | U | 3.96 | mg/kg dry | | <3.96 | | | | 20 |
| Lead | 0.382 | J | 1.98 | mg/kg dry | | 0.646 | | | 51.4 | 20 |
| Zinc | 135 | | 15.8 | mg/kg dry | | 161 | | | 17.1 | 20 |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2043 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BFH2043-DUP6)** | | **Source: 22F4225-22** | | | Prepared: 8/15/2022 Analyzed: 8/25/2022 | | | | | |
| Selenium | <34.8 | U | 34.8 | mg/kg dry | | <34.8 | | | | 20 |
| **Duplicate (BFH2043-DUP7)** | | **Source: 22F4225-23** | | | Prepared: 8/15/2022 Analyzed: 8/25/2022 | | | | | |
| Selenium | <19.8 | U | 19.8 | mg/kg dry | | <19.8 | | | | 20 |
| **Duplicate (BFH2043-DUP8)** | | **Source: 22F4225-23** | | | Prepared: 8/15/2022 Analyzed: 8/25/2022 | | | | | |
| Beryllium | <0.792 | U | 0.792 | mg/kg dry | | <0.792 | | | | 20 |
| **MDL Check (BFH2043-MRL1)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Antimony | 4.53 | | 0.949 | mg/kg wet | 3.96 | | 114 | | | |
| Beryllium | 0.0833 | J | 0.190 | mg/kg wet | 0.0791 | | 105 | | | |
| Chromium | 1.31 | J | 2.85 | mg/kg wet | 1.19 | | 110 | | | |
| Copper | 0.905 | J | 0.949 | mg/kg wet | 0.791 | | 114 | | | |
| Lead | 0.381 | J | 0.475 | mg/kg wet | 0.396 | | 96.3 | | | |
| Silver | 0.233 | J | 0.475 | mg/kg wet | 0.198 | | 118 | | | |
| **MDL Check (BFH2043-MRL2)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Cadmium | 0.00730 | J | 0.942 | mg/kg wet | 0.00392 | | 186 | | | |
| Nickel | 0.00942 | J | 0.942 | mg/kg wet | 0.00392 | | 240 | | | |
| **MDL Check (BFH2043-MRL3)** | | | | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | |
| Arsenic | 0.436 | J | 0.475 | mg/kg wet | 0.396 | | 110 | | | |
| Thallium | 0.200 | J | 0.475 | mg/kg wet | 0.198 | | 101 | | | |
| **MDL Check (BFH2043-MRL5)** | | | | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | |
| Zinc | 12.3 | | 1.90 | mg/kg wet | 7.91 | | 156 | | | |
| **MDL Check (BFH2043-MRL7)** | | | | | Prepared: 8/15/2022 Analyzed: 8/25/2022 | | | | | |
| Selenium | 10.3 | | 4.75 | mg/kg wet | 7.91 | | 131 | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2043 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH2043-MS1)** | | **Source: 22F4225-22** | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | | |
| Antimony | 62.4 | | 6.62 | mg/kg dry | 55.2 | <6.62 | 113 | 75-125 | | |
| Beryllium | 12.4 | | 1.32 | mg/kg dry | 11.0 | <1.32 | 112 | 75-125 | | |
| Cadmium | 60.8 | | 6.62 | mg/kg dry | 55.2 | 0.668 | 109 | 75-125 | | |
| Chromium | 160 | | 19.9 | mg/kg dry | 166 | <19.9 | 96.9 | 75-125 | | |
| Copper | 70.5 | | 6.62 | mg/kg dry | 55.2 | 13.5 | 103 | 75-125 | | |
| Lead | 26.8 | | 3.31 | mg/kg dry | 27.6 | 0.726 | 94.5 | 75-125 | | |
| Nickel | 56.5 | | 6.62 | mg/kg dry | 55.2 | 3.97 | 95.2 | 75-125 | | |
| Silver | 25.7 | | 3.31 | mg/kg dry | 27.6 | 0.263 | 92.0 | 75-125 | | |
| **Matrix Spike (BFH2043-MS2)** | | **Source: 22F4225-23** | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | | |
| Arsenic | 36.2 | | 2.72 | mg/kg dry | 22.6 | 10.3 | 114 | 75-125 | | |
| Cadmium | 47.4 | | 5.43 | mg/kg dry | 45.3 | 0.624 | 103 | 75-125 | | |
| Chromium | 135 | | 16.3 | mg/kg dry | 136 | <16.3 | 99.1 | 75-125 | | |
| Copper | 57.4 | | 5.43 | mg/kg dry | 45.3 | 12.8 | 98.5 | 75-125 | | |
| Nickel | 45.8 | | 5.43 | mg/kg dry | 45.3 | 3.07 | 94.4 | 75-125 | | |
| Silver | 15.7 | J1 | 2.72 | mg/kg dry | 22.6 | 0.164 | 68.4 | 75-125 | | |
| Thallium | 21.4 | | 2.72 | mg/kg dry | 22.6 | <2.72 | 94.6 | 75-125 | | |
| **Matrix Spike (BFH2043-MS3)** | | **Source: 22F4225-22** | | Prepared: 8/15/2022 Analyzed: 8/17/2022 | | | | | | |
| Arsenic | 40.8 | | 3.31 | mg/kg dry | 27.6 | 10.7 | 109 | 75-125 | | |
| Thallium | 25.7 | | 3.31 | mg/kg dry | 27.6 | <3.31 | 93.1 | 75-125 | | |
| **Matrix Spike (BFH2043-MS4)** | | **Source: 22F4225-22** | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | | |
| Zinc | 278 | | 26.5 | mg/kg dry | 110 | 165 | 103 | 75-125 | | |
| **Matrix Spike (BFH2043-MS5)** | | **Source: 22F4225-23** | | Prepared: 8/15/2022 Analyzed: 8/22/2022 | | | | | | |
| Antimony | 58.3 | J1 | 5.43 | mg/kg dry | 45.3 | <5.43 | 129 | 75-125 | | |
| Lead | 25.2 | | 2.72 | mg/kg dry | 22.6 | 0.646 | 109 | 75-125 | | |
| Zinc | 265 | | 21.7 | mg/kg dry | 90.5 | 161 | 116 | 75-125 | | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2043 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH2043-MS6)** | | **Source: 22F4225-22** | | | Prepared: 8/15/2022 Analyzed: 8/25/2022 | | | | | |
| Selenium | 149 | J1 | 33.1 | mg/kg dry | 110 | <33.1 | 135 | 75-125 | | |
| **Matrix Spike (BFH2043-MS7)** | | **Source: 22F4225-23** | | | Prepared: 8/15/2022 Analyzed: 8/25/2022 | | | | | |
| Selenium | 126 | J1 | 27.2 | mg/kg dry | 90.5 | <27.2 | 139 | 75-125 | | |
| **Matrix Spike (BFH2043-MS8)** | | **Source: 22F4225-23** | | | Prepared: 8/15/2022 Analyzed: 8/25/2022 | | | | | |
| Beryllium | 10.5 | | 1.09 | mg/kg dry | 9.05 | <1.09 | 116 | 75-125 | | |
| ***Batch: BFH2148 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BFH2148-BLK1)** | | | | | Prepared: 8/16/2022 Analyzed: 8/18/2022 | | | | | |
| Antimony | <1.47 | U | 1.47 | mg/kg wet | | | | | | |
| Arsenic | <0.737 | U | 0.737 | mg/kg wet | | | | | | |
| Cadmium | <1.47 | U | 1.47 | mg/kg wet | | | | | | |
| Lead | <0.737 | U | 0.737 | mg/kg wet | | | | | | |
| Thallium | <0.737 | U | 0.737 | mg/kg wet | | | | | | |
| **Blank (BFH2148-BLK2)** | | | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Chromium | <4.42 | U | 4.42 | mg/kg wet | | | | | | |
| Copper | <1.47 | U | 1.47 | mg/kg wet | | | | | | |
| Nickel | <1.47 | U | 1.47 | mg/kg wet | | | | | | |
| Selenium | <7.37 | U | 7.37 | mg/kg wet | | | | | | |
| Zinc | <2.95 | U | 2.95 | mg/kg wet | | | | | | |
| **Blank (BFH2148-BLK3)** | | | | | Prepared: 8/16/2022 Analyzed: 8/23/2022 | | | | | |
| Beryllium | <0.295 | U | 0.295 | mg/kg wet | | | | | | |
| Silver | <0.737 | U | 0.737 | mg/kg wet | | | | | | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2148 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **LCS (BFH2148-BS1)** | | | | | Prepared: 8/16/2022 Analyzed: 8/18/2022 | | | | | |
| Antimony | 12.6 | | 1.38 | mg/kg wet | 11.5 | | 110 | 85-115 | | |
| Arsenic | 6.22 | | 0.690 | mg/kg wet | 5.75 | | 108 | 85-115 | | |
| Cadmium | 12.3 | | 1.38 | mg/kg wet | 11.5 | | 107 | 85-115 | | |
| Lead | 5.60 | | 0.690 | mg/kg wet | 5.75 | | 97.4 | 85-115 | | |
| Thallium | 5.88 | | 0.690 | mg/kg wet | 5.75 | | 102 | 85-115 | | |
| **LCS (BFH2148-BS2)** | | | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Chromium | 34.2 | | 4.14 | mg/kg wet | 34.5 | | 99.1 | 85-115 | | |
| Copper | 11.4 | | 1.38 | mg/kg wet | 11.5 | | 99.0 | 85-115 | | |
| Nickel | 11.3 | | 1.38 | mg/kg wet | 11.5 | | 98.3 | 85-115 | | |
| Selenium | 25.8 | | 6.90 | mg/kg wet | 23.0 | | 112 | 85-115 | | |
| Zinc | 24.3 | | 2.76 | mg/kg wet | 23.0 | | 106 | 85-115 | | |
| **LCS (BFH2148-BS3)** | | | | | Prepared: 8/16/2022 Analyzed: 8/23/2022 | | | | | |
| Beryllium | 2.35 | | 0.276 | mg/kg wet | 2.30 | | 102 | 85-115 | | |
| Silver | 3.43 | J1 | 0.690 | mg/kg wet | 5.75 | | 59.7 | 85-115 | | |
| **Duplicate (BFH2148-DUP1)** | | **Source: 22F4225-44** | | | Prepared: 8/16/2022 Analyzed: 8/18/2022 | | | | | |
| Antimony | <4.82 | U | 4.82 | mg/kg dry | | <4.82 | | | | 20 |
| Arsenic | 10.7 | | 2.41 | mg/kg dry | | 10.8 | | | 1.42 | 20 |
| Cadmium | 0.555 | J | 4.82 | mg/kg dry | | 0.558 | | | 0.660 | 20 |
| Lead | 0.411 | J | 2.41 | mg/kg dry | | 0.463 | | | 11.9 | 20 |
| Thallium | <2.41 | U | 2.41 | mg/kg dry | | <2.41 | | | | 20 |
| **Duplicate (BFH2148-DUP2)** | | **Source: 22F4225-48** | | | Prepared: 8/16/2022 Analyzed: 8/18/2022 | | | | | |
| Antimony | <4.85 | U | 4.85 | mg/kg dry | | <4.85 | | | | 20 |
| Arsenic | 10.9 | | 2.42 | mg/kg dry | | 11.3 | | | 3.15 | 20 |
| Cadmium | 0.532 | J | 4.85 | mg/kg dry | | 0.558 | | | 4.77 | 20 |
| Lead | 0.592 | J | 2.42 | mg/kg dry | | 0.686 | | | 14.8 | 20 |
| Thallium | <2.42 | U | 2.42 | mg/kg dry | | <2.42 | | | | 20 |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2148 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BFH2148-DUP3)** | | **Source: 22F4225-44** | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | | |
| Chromium | <14.5 | U | 14.5 | mg/kg dry | | <14.5 | | | | 20 |
| Copper | 11.2 | | 4.82 | mg/kg dry | | 11.4 | | | 2.21 | 20 |
| Nickel | 2.73 | J | 4.82 | mg/kg dry | | 2.81 | | | 2.82 | 20 |
| Selenium | <24.1 | U | 24.1 | mg/kg dry | | <24.1 | | | | 20 |
| Zinc | 107 | | 9.65 | mg/kg dry | | 109 | | | 1.58 | 20 |
| **Duplicate (BFH2148-DUP4)** | | **Source: 22F4225-48** | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | | |
| Chromium | 0.426 | J | 14.5 | mg/kg dry | | 0.493 | | | 14.5 | 20 |
| Copper | 20.8 | | 4.85 | mg/kg dry | | 21.0 | | | 0.882 | 20 |
| Nickel | 3.44 | J | 4.85 | mg/kg dry | | 3.53 | | | 2.64 | 20 |
| Zinc | 127 | | 9.70 | mg/kg dry | | 132 | | | 3.57 | 20 |
| **Duplicate (BFH2148-DUP5)** | | **Source: 22F4225-44** | | Prepared: 8/16/2022 Analyzed: 8/23/2022 | | | | | | |
| Beryllium | <0.965 | U | 0.965 | mg/kg dry | | <0.965 | | | | 20 |
| Silver | 0.156 | J | 2.41 | mg/kg dry | | 0.166 | | | 6.00 | 20 |
| **Duplicate (BFH2148-DUP6)** | | **Source: 22F4225-48** | | Prepared: 8/16/2022 Analyzed: 8/23/2022 | | | | | | |
| Beryllium | <0.970 | U | 0.970 | mg/kg dry | | <0.970 | | | | 20 |
| Silver | 0.168 | J | 2.42 | mg/kg dry | | 0.181 | | | 7.14 | 20 |
| **Duplicate (BFH2148-DUP7)** | | **Source: 22F4225-48** | | Prepared: 8/16/2022 Analyzed: 8/23/2022 | | | | | | |
| Selenium | <24.2 | U | 24.2 | mg/kg dry | | <24.2 | | | | 20 |
| **MDL Check (BFH2148-MRL1)** | | | | Prepared: 8/16/2022 Analyzed: 8/18/2022 | | | | | | |
| Antimony | 6.55 | | 1.36 | mg/kg wet | 5.66 | | 116 | | | |
| Arsenic | 0.624 | J | 0.679 | mg/kg wet | 0.566 | | 110 | | | |
| Lead | 0.556 | J | 0.679 | mg/kg wet | 0.566 | | 98.4 | | | |
| Thallium | 0.300 | J | 0.679 | mg/kg wet | 0.283 | | 106 | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2148 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **MDL Check (BFH2148-MRL2)** | | | | | Prepared: 8/16/2022 Analyzed: 8/18/2022 | | | | | |
| Cadmium | 0.0207 | J | 1.28 | mg/kg wet | 0.0107 | | 193 | | | |
| **MDL Check (BFH2148-MRL3)** | | | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Chromium | 1.95 | J | 4.07 | mg/kg wet | 1.70 | | 115 | | | |
| Copper | 1.38 | | 1.36 | mg/kg wet | 1.13 | | 122 | | | |
| Selenium | 12.3 | | 6.79 | mg/kg wet | 11.3 | | 109 | | | |
| Zinc | 12.5 | | 2.71 | mg/kg wet | 11.3 | | 111 | | | |
| **MDL Check (BFH2148-MRL4)** | | | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Nickel | 0.0304 | J | 1.28 | mg/kg wet | 0.0107 | | 284 | | | |
| **MDL Check (BFH2148-MRL5)** | | | | | Prepared: 8/16/2022 Analyzed: 8/23/2022 | | | | | |
| Beryllium | 0.124 | J | 0.271 | mg/kg wet | 0.113 | | 110 | | | |
| Silver | 0.312 | J | 0.679 | mg/kg wet | 0.283 | | 110 | 70-130 | | |
| **Matrix Spike (BFH2148-MS1)** | | **Source: 22F4225-44** | | | Prepared: 8/16/2022 Analyzed: 8/18/2022 | | | | | |
| Antimony | 47.4 | | 5.03 | mg/kg dry | 41.9 | <5.03 | 113 | 75-125 | | |
| Arsenic | 35.9 | | 2.51 | mg/kg dry | 20.9 | 10.8 | 120 | 75-125 | | |
| Cadmium | 45.9 | | 5.03 | mg/kg dry | 41.9 | 0.558 | 108 | 75-125 | | |
| Lead | 20.0 | | 2.51 | mg/kg dry | 20.9 | 0.463 | 93.5 | 75-125 | | |
| Thallium | 20.3 | | 2.51 | mg/kg dry | 20.9 | <2.51 | 96.9 | 75-125 | | |
| **Matrix Spike (BFH2148-MS2)** | | **Source: 22F4225-48** | | | Prepared: 8/16/2022 Analyzed: 8/18/2022 | | | | | |
| Antimony | 42.8 | | 4.56 | mg/kg dry | 38.0 | <4.56 | 113 | 75-125 | | |
| Arsenic | 34.2 | | 2.28 | mg/kg dry | 19.0 | 11.3 | 121 | 75-125 | | |
| Cadmium | 42.1 | | 4.56 | mg/kg dry | 38.0 | 0.558 | 109 | 75-125 | | |
| Lead | 18.7 | | 2.28 | mg/kg dry | 19.0 | 0.686 | 94.7 | 75-125 | | |
| Thallium | 18.3 | | 2.28 | mg/kg dry | 19.0 | <2.28 | 96.3 | 75-125 | | |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2148 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH2148-MS3)** | | **Source: 22F4225-44** | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Chromium | 126 | | 15.1 | mg/kg dry | 126 | <15.1 | 100 | 75-125 | | |
| Copper | 53.3 | | 5.03 | mg/kg dry | 41.9 | 11.4 | 100 | 75-125 | | |
| Nickel | 43.4 | | 5.03 | mg/kg dry | 41.9 | 2.81 | 96.8 | 75-125 | | |
| Selenium | 112 | J1 | 25.1 | mg/kg dry | 83.8 | <25.1 | 134 | 75-125 | | |
| Zinc | 201 | | 20.1 | mg/kg dry | 83.8 | 109 | 111 | 75-125 | | |
| **Matrix Spike (BFH2148-MS4)** | | **Source: 22F4225-48** | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Chromium | 119 | | 13.7 | mg/kg dry | 114 | 0.493 | 104 | 75-125 | | |
| Copper | 57.7 | | 4.56 | mg/kg dry | 38.0 | 21.0 | 96.5 | 75-125 | | |
| Nickel | 41.1 | | 4.56 | mg/kg dry | 38.0 | 3.53 | 98.9 | 75-125 | | |
| Zinc | 205 | | 18.2 | mg/kg dry | 76.0 | 132 | 95.8 | 75-125 | | |
| **Matrix Spike (BFH2148-MS5)** | | **Source: 22F4225-44** | | | Prepared: 8/16/2022 Analyzed: 8/23/2022 | | | | | |
| Beryllium | 9.26 | | 1.01 | mg/kg dry | 8.38 | <1.01 | 111 | 75-125 | | |
| Silver | 12.0 | J1 | 2.51 | mg/kg dry | 20.9 | 0.166 | 56.4 | 75-125 | | |
| **Matrix Spike (BFH2148-MS6)** | | **Source: 22F4225-48** | | | Prepared: 8/16/2022 Analyzed: 8/23/2022 | | | | | |
| Beryllium | 9.07 | | 0.912 | mg/kg dry | 7.60 | <0.912 | 119 | 75-125 | | |
| Selenium | 98.9 | J1 | 22.8 | mg/kg dry | 76.0 | <22.8 | 130 | 75-125 | | |
| Silver | 10.4 | J1 | 2.28 | mg/kg dry | 19.0 | 0.181 | 53.6 | 75-125 | | |
| ***Batch: BFH2149 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BFH2149-BLK1)** | | | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Antimony | <1.26 | U | 1.26 | mg/kg wet | | | | | | |
| Arsenic | <0.632 | U | 0.632 | mg/kg wet | | | | | | |
| Beryllium | <0.253 | U | 0.253 | mg/kg wet | | | | | | |
| Cadmium | <1.26 | U | 1.26 | mg/kg wet | | | | | | |
| Chromium | <3.79 | U | 3.79 | mg/kg wet | | | | | | |
| Copper | <1.26 | U | 1.26 | mg/kg wet | | | | | | |
| Lead | <0.632 | U | 0.632 | mg/kg wet | | | | | | |
| Nickel | <1.26 | U | 1.26 | mg/kg wet | | | | | | |
| Selenium | <6.32 | U | 6.32 | mg/kg wet | | | | | | |
| Silver | <0.632 | U | 0.632 | mg/kg wet | | | | | | |
| Thallium | <0.632 | U | 0.632 | mg/kg wet | | | | | | |
| Zinc | <2.53 | U | 2.53 | mg/kg wet | | | | | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2149 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **LCS (BFH2149-BS1)** | | | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Antimony | 10.3 | | 1.16 | mg/kg wet | 9.65 | | 107 | 85-115 | | |
| Arsenic | 5.18 | | 0.579 | mg/kg wet | 4.83 | | 107 | 85-115 | | |
| Beryllium | 2.15 | | 0.232 | mg/kg wet | 1.93 | | 111 | 85-115 | | |
| Cadmium | 10.3 | | 1.16 | mg/kg wet | 9.65 | | 106 | 85-115 | | |
| Chromium | 28.7 | | 3.47 | mg/kg wet | 29.0 | | 99.2 | 85-115 | | |
| Copper | 9.52 | | 1.16 | mg/kg wet | 9.65 | | 98.6 | 85-115 | | |
| Lead | 4.93 | | 0.579 | mg/kg wet | 4.83 | | 102 | 85-115 | | |
| Nickel | 9.42 | | 1.16 | mg/kg wet | 9.65 | | 97.6 | 85-115 | | |
| Selenium | 22.2 | | 5.79 | mg/kg wet | 19.3 | | 115 | 85-115 | | |
| Silver | 2.70 | J1 | 0.579 | mg/kg wet | 4.83 | | 56.0 | 85-115 | | |
| Thallium | 4.85 | | 0.579 | mg/kg wet | 4.83 | | 101 | 85-115 | | |
| Zinc | 20.7 | | 2.32 | mg/kg wet | 19.3 | | 107 | 85-115 | | |
| **Duplicate (BFH2149-DUP1)** | | | **Source: 22F4225-36** | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Antimony | <5.69 | U | 5.69 | mg/kg dry | | <5.69 | | | | 20 |
| Arsenic | 9.55 | | 2.85 | mg/kg dry | | 9.73 | | | 1.89 | 20 |
| Beryllium | <1.14 | U | 1.14 | mg/kg dry | | <1.14 | | | | 20 |
| Cadmium | 0.573 | J | 5.69 | mg/kg dry | | 0.625 | | | 8.77 | 20 |
| Chromium | <17.1 | U | 17.1 | mg/kg dry | | 0.432 | | | 200 | 20 |
| Copper | 14.6 | | 5.69 | mg/kg dry | | 14.1 | | | 3.54 | 20 |
| Lead | 0.430 | J | 2.85 | mg/kg dry | | 0.524 | | | 19.5 | 20 |
| Nickel | 3.73 | J | 5.69 | mg/kg dry | | 3.73 | | | 0.136 | 20 |
| Selenium | <28.5 | U | 28.5 | mg/kg dry | | <28.5 | | | | 20 |
| Silver | 0.189 | J | 2.85 | mg/kg dry | | 0.204 | | | 7.40 | 20 |
| Thallium | <2.85 | U | 2.85 | mg/kg dry | | <2.85 | | | | 20 |
| Zinc | 126 | | 11.4 | mg/kg dry | | 127 | | | 1.15 | 20 |
| **Duplicate (BFH2149-DUP2)** | | | **Source: 22F4225-40** | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Antimony | <4.24 | U | 4.24 | mg/kg dry | | <4.24 | | | | 20 |
| Arsenic | 10.4 | | 2.12 | mg/kg dry | | 10.7 | | | 3.42 | 20 |
| Beryllium | <0.847 | U | 0.847 | mg/kg dry | | <0.847 | | | | 20 |
| Cadmium | 0.651 | J | 4.24 | mg/kg dry | | 0.661 | | | 1.56 | 20 |
| Chromium | 0.372 | J | 12.7 | mg/kg dry | | 0.322 | | | 14.7 | 20 |
| Copper | 14.1 | | 4.24 | mg/kg dry | | 15.1 | | | 6.81 | 20 |
| Lead | 0.464 | J | 2.12 | mg/kg dry | | 0.445 | | | 4.18 | 20 |
| Nickel | 3.64 | J | 4.24 | mg/kg dry | | 3.66 | | | 0.522 | 20 |
| Selenium | <21.2 | U | 21.2 | mg/kg dry | | <21.2 | | | | 20 |
| Silver | 0.189 | J | 2.12 | mg/kg dry | | 0.195 | | | 3.25 | 20 |
| Thallium | <2.12 | U | 2.12 | mg/kg dry | | <2.12 | | | | 20 |
| Zinc | 138 | | 8.47 | mg/kg dry | | 137 | | | 0.895 | 20 |

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| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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# Quality Control
**(Continued)**

## Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2149 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **MRL Check (BFH2149-MRL1)** | | | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Antimony | 5.54 | | 1.03 | mg/kg wet | 4.30 | | 129 | | | |
| Arsenic | 0.546 | | 0.515 | mg/kg wet | 0.430 | | 127 | | | |
| Beryllium | 0.108 | J | 0.206 | mg/kg wet | 0.0859 | | 126 | | | |
| Chromium | 1.65 | J | 3.09 | mg/kg wet | 1.29 | | 128 | | | |
| Copper | 1.11 | | 1.03 | mg/kg wet | 0.859 | | 129 | | | |
| Lead | 0.486 | J | 0.515 | mg/kg wet | 0.430 | | 113 | | | |
| Selenium | 11.4 | | 5.15 | mg/kg wet | 8.59 | | 132 | | | |
| Silver | 0.277 | J | 0.515 | mg/kg wet | 0.215 | | 129 | | | |
| Thallium | 0.256 | J | 0.515 | mg/kg wet | 0.215 | | 119 | | | |
| Zinc | 11.0 | | 2.06 | mg/kg wet | 8.59 | | 128 | | | |
| **MRL Check (BFH2149-MRL2)** | | | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Cadmium | 0.0149 | J | 0.901 | mg/kg wet | 0.00751 | | 198 | | | |
| Nickel | 0.0116 | J | 0.901 | mg/kg wet | 0.00751 | | 154 | | | |
| **Matrix Spike (BFH2149-MS1)** | | **Source: 22F4225-36** | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Antimony | 47.6 | | 4.79 | mg/kg dry | 39.9 | <4.79 | 119 | 75-125 | | |
| Arsenic | 35.0 | J1 | 2.39 | mg/kg dry | 19.9 | 9.73 | 127 | 75-125 | | |
| Beryllium | 9.81 | | 0.957 | mg/kg dry | 7.98 | <0.957 | 123 | 75-125 | | |
| Cadmium | 48.0 | | 4.79 | mg/kg dry | 39.9 | 0.625 | 119 | 75-125 | | |
| Chromium | 125 | | 14.4 | mg/kg dry | 120 | 0.432 | 104 | 75-125 | | |
| Copper | 55.4 | | 4.79 | mg/kg dry | 39.9 | 14.1 | 104 | 75-125 | | |
| Lead | 21.0 | | 2.39 | mg/kg dry | 19.9 | 0.524 | 102 | 75-125 | | |
| Nickel | 45.1 | | 4.79 | mg/kg dry | 39.9 | 3.73 | 104 | 75-125 | | |
| Selenium | 117 | J1 | 23.9 | mg/kg dry | 79.8 | <23.9 | 146 | 75-125 | | |
| Silver | 9.53 | J1 | 2.39 | mg/kg dry | 19.9 | 0.204 | 46.8 | 75-125 | | |
| Thallium | 21.3 | | 2.39 | mg/kg dry | 19.9 | <2.39 | 107 | 75-125 | | |
| Zinc | 213 | | 19.1 | mg/kg dry | 79.8 | 127 | 108 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2149 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BFH2149-MS2)** | | **Source: 22F4225-40** | | | Prepared: 8/16/2022 Analyzed: 8/19/2022 | | | | | |
| Antimony | 42.2 | | 4.29 | mg/kg dry | 35.8 | <4.29 | 118 | 75-125 | | |
| Arsenic | 33.2 | J1 | 2.15 | mg/kg dry | 17.9 | 10.7 | 126 | 75-125 | | |
| Beryllium | 9.04 | J1 | 0.859 | mg/kg dry | 7.16 | <0.859 | 126 | 75-125 | | |
| Cadmium | 42.9 | | 4.29 | mg/kg dry | 35.8 | 0.661 | 118 | 75-125 | | |
| Chromium | 118 | | 12.9 | mg/kg dry | 107 | 0.322 | 110 | 75-125 | | |
| Copper | 51.4 | | 4.29 | mg/kg dry | 35.8 | 15.1 | 101 | 75-125 | | |
| Lead | 18.8 | | 2.15 | mg/kg dry | 17.9 | 0.445 | 102 | 75-125 | | |
| Nickel | 41.3 | | 4.29 | mg/kg dry | 35.8 | 3.66 | 105 | 75-125 | | |
| Selenium | 108 | J1 | 21.5 | mg/kg dry | 71.6 | <21.5 | 151 | 75-125 | | |
| Silver | 14.4 | | 2.15 | mg/kg dry | 17.9 | 0.195 | 79.2 | 75-125 | | |
| Thallium | 18.5 | | 2.15 | mg/kg dry | 17.9 | <2.15 | 103 | 75-125 | | |
| Zinc | 215 | | 17.2 | mg/kg dry | 71.6 | 137 | 109 | 75-125 | | |
| ***Batch: BFH2169 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFH2169-MRL1)** | | | | | Prepared & Analyzed: 8/16/2022 | | | | | |
| Mercury | 0.00925 | J | 0.0199 | mg/kg wet | 0.00995 | | 93.0 | | | |
| **Matrix Spike (BFH2169-MS1)** | | **Source: 22F4225-47** | | | Prepared & Analyzed: 8/16/2022 | | | | | |
| Mercury | 0.836 | J1 | 0.0888 | mg/kg dry | 1.11 | <0.0888 | 75.3 | 80-120 | | |
| **Matrix Spike (BFH2169-MS2)** | | **Source: 22F4225-30** | | | Prepared & Analyzed: 8/16/2022 | | | | | |
| Mercury | 0.966 | | 0.0905 | mg/kg dry | 1.13 | <0.0905 | 85.4 | 80-120 | | |
| **Matrix Spike Dup (BFH2169-MSD1)** | | **Source: 22F4225-47** | | | Prepared & Analyzed: 8/16/2022 | | | | | |
| Mercury | 0.511 | J1 | 0.114 | mg/kg dry | 1.10 | <0.114 | 46.6 | 80-120 | 48.1 | 20 |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFH2169 - SW-7471 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BFH2169-MSD2)** | | **Source: 22F4225-30** | | | Prepared & Analyzed: 8/16/2022 | | | | | |
| Mercury | 0.965 | | 0.0934 | mg/kg dry | 1.17 | <0.0934 | 82.6 | 80-120 | 0.160 | 20 |
| ***Batch: BFH2628 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BFH2628-MRL1)** | | | | | Prepared & Analyzed: 8/18/2022 | | | | | |
| Mercury | 0.0311 | | 0.0183 | mg/kg wet | 0.00917 | | 339 | | | |
| **Matrix Spike (BFH2628-MS1)** | | **Source: 22F4225-05RE1** | | | Prepared & Analyzed: 8/18/2022 | | | | | |
| Mercury | 1.01 | | 0.101 | mg/kg dry | 1.27 | <0.101 | 80.1 | 80-120 | | |
| **Matrix Spike (BFH2628-MS2)** | | **Source: 22F4225-20RE1** | | | Prepared & Analyzed: 8/18/2022 | | | | | |
| Mercury | 0.985 | | 0.0935 | mg/kg dry | 1.17 | <0.0935 | 84.2 | 80-120 | | |
| **Matrix Spike Dup (BFH2628-MSD1)** | | **Source: 22F4225-05RE1** | | | Prepared & Analyzed: 8/18/2022 | | | | | |
| Mercury | 1.07 | | 0.103 | mg/kg dry | 1.29 | <0.103 | 83.4 | 80-120 | 5.65 | 20 |
| **Matrix Spike Dup (BFH2628-MSD2)** | | **Source: 22F4225-20RE1** | | | Prepared & Analyzed: 8/18/2022 | | | | | |
| Mercury | 0.969 | | 0.0935 | mg/kg dry | 1.17 | <0.0935 | 82.8 | 80-120 | 1.68 | 20 |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### General Chemistry

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG0299 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0299-BLK1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFG0299-DUP1)** | | | **Source: 22F4240-26** | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 12.7 | | 0.100 | % | | 13.6 | | | 6.82 | 10 |
| **Duplicate (BFG0299-DUP2)** | | | **Source: 22F4240-45** | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 14.5 | | 0.100 | % | | 15.2 | | | 4.53 | 10 |
| **Reference (BFG0299-SRM1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 0.346 | | 0.100 | % | 0.350 | | 98.8 | 78.9-118 | | |
| ***Batch: BFG0300 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0300-BLK1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFG0300-DUP1)** | | | **Source: 22F4225-06** | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 11.6 | | 0.100 | % | | 11.4 | | | 1.82 | 10 |
| **Duplicate (BFG0300-DUP2)** | | | **Source: 22F4225-60** | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 9.83 | | 0.100 | % | | 9.67 | | | 1.67 | 10 |
| **Reference (BFG0300-SRM1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 0.359 | | 0.100 | % | 0.350 | | 102 | 78.9-118 | | |
| ***Batch: BFG0301 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0301-BLK1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG0301 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Duplicate (BFG0301-DUP1)** | | **Source: 22F4225-70** | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 13.0 | | 0.100 | % | | 12.8 | | | 1.17 | 10 |
| **Duplicate (BFG0301-DUP2)** | | **Source: 22F4225-90** | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 14.5 | | 0.100 | % | | 14.8 | | | 2.55 | 10 |
| **Reference (BFG0301-SRM1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 0.357 | | 0.100 | % | 0.350 | | 102 | 78.9-118 | | |
| ***Batch: BFG0354 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0354-BLK1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFG0354-DUP1)** | | **Source: 22F4225-01** | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 8.91 | | 0.100 | % | | 8.65 | | | 2.94 | 10 |
| **Duplicate (BFG0354-DUP2)** | | **Source: 22F4225-36** | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 8.86 | | 0.100 | % | | 9.08 | | | 2.48 | 10 |
| **Reference (BFG0354-SRM1)** | | | | | Prepared: 7/5/2022 Analyzed: 7/6/2022 | | | | | |
| % Solids | 0.362 | | 0.100 | % | 0.350 | | 104 | 78.9-118 | | |
| ***Batch: BFG0444 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0444-BLK1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG0444 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Duplicate (BFG0444-DUP1)** | | **Source: 22F4225-17** | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 8.70 | | 0.100 | % | | 8.76 | | | 0.744 | 10 |
| **Reference (BFG0444-SRM1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 0.357 | | 0.100 | % | 0.350 | | 102 | 78.9-118 | | |
| ***Batch: BFG0445 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0445-BLK1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFG0445-DUP1)** | | **Source: 22F4225-07** | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 11.4 | | 0.100 | % | | 11.2 | | | 2.30 | 10 |
| **Duplicate (BFG0445-DUP2)** | | **Source: 22F4240-09** | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 11.0 | | 0.100 | % | | 11.3 | | | 2.53 | 10 |
| **Reference (BFG0445-SRM1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 0.349 | | 0.100 | % | 0.350 | | 99.8 | 78.9-118 | | |
| ***Batch: BFG0446 - Percent Solids*** | | | | | | | | | | |
| **Blank (BFG0446-BLK1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BFG0446-DUP1)** | | **Source: 22F4225-09** | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 8.58 | | 0.100 | % | | 8.75 | | | 1.87 | 10 |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BFG0446 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Duplicate (BFG0446-DUP2)** | | | **Source: 22F4240-23** | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 14.4 | | 0.100 | % | | 14.9 | | | 3.09 | 10 |
| **Reference (BFG0446-SRM1)** | | | | | Prepared: 7/6/2022 Analyzed: 7/7/2022 | | | | | |
| % Solids | 0.349 | | 0.100 | % | 0.350 | | 99.8 | 78.9-118 | | |

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# Sample Condition Checklist

**Work Order: 22F4225**

| Check Points | |
|---|---|
| Yes | Custody Seals |
| Yes | Containers Intact |
| Yes | COC/Labels Agree |
| Yes | Received On Ice |
| Yes | Appropriate Containers |
| Yes | Appropriate Sample Volume |
| Yes | Coolers Intact |
| Yes | Samples Accepted |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 09/01/2022 17:46 |

## Term and Qualifier Definitions

| Item | Definition |
|---|---|
| B | Analyte was found in the associated method blank. |
| CQ | CCV out of control high, no hit in sample, data unaffected |
| CQa | Internal Standard response less than 50% calibration response |
| J | Estimated value - The reported value is between the detection limit and reporting limit. |
| J1 | Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision. |
| L | Off scale high - The concentration of the analyte exceeds the linear range. |
| S | The surrogate recovery was outside the established laboratory recovery limit. |
| U | Non-detected compound. |
| V | Analyte was detected in both sample and method blank. |
| RPD | Relative Percent Difference |
| %REC | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated |
| * | A = Accredited, N = Not Accredited or Accreditation not available |
| DF | Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content |
| MDL | Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B. |
| SDL | Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL. |
| MRL | Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard. |
| LRL | Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL. |

July 31, 2022 Service Request No:K2207378

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 22F4225**

Dear Monica,

Enclosed are the results of the sample(s) submitted to our laboratory June 30, 2022
For your reference, these analyses have been assigned our service request number **K2207378.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**



Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
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www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Sample Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Received:** 06/30/2022

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Twenty six animal tissue samples were received for analysis at ALS Environmental on 06/30/2022. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Semivoa GC:**

Method ALS SOP, 07/28/2022:The analysis of Butyltins by ALS SOP requires the use of dual column confirmation. When the Continuing Calibration Verification (CCV) criterion is met for both columns, the lower of the two sample results is generally reported. The primary evaluation criteria were not met on the confirmation column for Di-n-butyltin, Tri-n-butyltin and the surrogate compound, Tri-n-propyltin. The results were reported from the column with an acceptable CCV or samples were non-detect. The data quality was not affected. No further corrective action was necessary.

Method ALS SOP, 07/28/2022:The lower control criterion was exceeded for Tri-n-propyltin in method blank KQ2211578-01. No target analytes were detected in the Method Blank. The problem indicated a potential negative bias to the Method Blank results. Target analytes detected in the field samples could contain a high bias. A re-analysis was not performed because insufficient sample remained for additional testing. No further corrective action was possible.

Method ALS SOP, 07/28/2022:The lower control criterion was exceeded for Tri-n-propyltin in samples 22F42255-01, 22F42255-42, 22F42255-43 and replicate LCS/DLCS KQ2211578-02/-03. The error associated with the recovery equated to a low bias. A re-analysis was not performed because insufficient sample remained for additional testing. No further corrective action was possible.

Method ALS SOP, 07/28/2022:The spike recovery of analytes for replicate LCS/DLCS KQ2211578-02/-03 were outside the lower control criterion. The error associated with reduced recovery indicated a potential low bias. Additional analysis of the associated field samples was not performed because insufficient sample remained for testing. The data was flagged to indicate the problem.

Method ALS SOP, 07/28/2022:The Relative Percent Difference (RPD) for analytes in the replicate LCS/DLCS KQ2211613-02/-03 was outside control criteria. All spike recoveries were within acceptance limits, indicating the analytical batch was in control. No further corrective action was taken.

**Metals:**

No significant anomalies were noted with this analysis.

Approved by  Date 07/31/2022

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 22F42255-02 | | | Lab ID: K2207378-002 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 2.0 | P | 0.21 | 1.1 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 0.38 | J | 0.13 | 1.1 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-04 | | | Lab ID: K2207378-004 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.56 | JP | 0.20 | 1.1 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-05 | | | Lab ID: K2207378-005 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.33 | J | 0.20 | 1.1 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.56 | J | 0.12 | 1.1 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-44 | | | Lab ID: K2207378-009 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 1.1 | | 0.19 | 1.0 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.38 | J | 0.12 | 1.0 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-46 | | | Lab ID: K2207378-011 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.84 | J | 0.18 | 0.98 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 0.54 | J | 0.11 | 0.98 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.44 | J | 0.11 | 0.98 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-47 | | | Lab ID: K2207378-012 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.67 | J | 0.18 | 0.98 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-49 | | | Lab ID: K2207378-014 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 2.4 | | 0.24 | 1.3 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 2.4 | | 0.15 | 1.3 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.33 | J | 0.15 | 1.3 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-50 | | | Lab ID: K2207378-015 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 4.9 | | 0.24 | 1.3 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 4.0 | | 0.15 | 1.3 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.24 | J | 0.15 | 1.3 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-51 | | | Lab ID: K2207378-016 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 2.7 | | 0.23 | 1.2 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 3.0 | | 0.14 | 1.2 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.15 | JP | 0.14 | 1.2 | ug/Kg | ALS SOP |

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 22F42255-52 | | | Lab ID: K2207378-017 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 2.6 | | 0.23 | 1.3 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 2.8 | | 0.14 | 1.3 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.21 | JP | 0.14 | 1.3 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-53 | | | Lab ID: K2207378-018 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 2.6 | | 0.25 | 1.4 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 3.6 | | 0.15 | 1.4 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.22 | JP | 0.15 | 1.4 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-89 | | | Lab ID: K2207378-019 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.96 | P | 0.18 | 0.95 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 0.11 | J | 0.11 | 0.95 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-90 | | | Lab ID: K2207378-020 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 1.3 | | 0.22 | 1.2 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.18 | J | 0.14 | 1.2 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-91 | | | Lab ID: K2207378-021 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 1.0 | J | 0.23 | 1.3 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 0.18 | J | 0.14 | 1.3 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.23 | JP | 0.14 | 1.3 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-92 | | | Lab ID: K2207378-022 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 2.8 | | 0.23 | 1.3 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 2.5 | | 0.14 | 1.3 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.22 | J | 0.14 | 1.3 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-93 | | | Lab ID: K2207378-023 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 2.3 | | 0.24 | 1.3 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 2.7 | | 0.15 | 1.3 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.23 | JP | 0.15 | 1.3 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-94 | | | Lab ID: K2207378-024 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 2.2 | | 0.22 | 1.2 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 1.8 | | 0.14 | 1.2 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.17 | JP | 0.14 | 1.2 | ug/Kg | ALS SOP |

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 22F42255-95 | | | Lab ID: K2207378-025 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 2.2 | | 0.23 | 1.2 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 1.7 | | 0.14 | 1.2 | ug/Kg | ALS SOP |

| CLIENT ID: 22F42255-96 | | | Lab ID: K2207378-026 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 1.9 | | 0.25 | 1.3 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 1.7 | | 0.15 | 1.3 | ug/Kg | ALS SOP |

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2207378
**Project:** 22F4225

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2207378-001 | 22F42255-01 | 4/14/2022 | 1030 |
| K2207378-002 | 22F42255-02 | 4/14/2022 | 1030 |
| K2207378-003 | 22F42255-03 | 4/14/2022 | 1030 |
| K2207378-004 | 22F42255-04 | 4/14/2022 | 1030 |
| K2207378-005 | 22F42255-05 | 4/14/2022 | 1030 |
| K2207378-006 | 22F42255-41 | 4/14/2022 | 1030 |
| K2207378-007 | 22F42255-42 | 4/14/2022 | 1030 |
| K2207378-008 | 22F42255-43 | 4/14/2022 | 1030 |
| K2207378-009 | 22F42255-44 | 4/14/2022 | 1030 |
| K2207378-010 | 22F42255-45 | 4/14/2022 | 1030 |
| K2207378-011 | 22F42255-46 | 4/14/2022 | 1030 |
| K2207378-012 | 22F42255-47 | 4/14/2022 | 1030 |
| K2207378-013 | 22F42255-48 | 4/14/2022 | 1030 |
| K2207378-014 | 22F42255-49 | 4/15/2022 | 1300 |
| K2207378-015 | 22F42255-50 | 4/15/2022 | 1300 |
| K2207378-016 | 22F42255-51 | 4/15/2022 | 1300 |
| K2207378-017 | 22F42255-52 | 4/15/2022 | 1300 |
| K2207378-018 | 22F42255-53 | 4/15/2022 | 1300 |
| K2207378-019 | 22F42255-89 | 4/15/2022 | 1300 |
| K2207378-020 | 22F42255-90 | 4/15/2022 | 1300 |
| K2207378-021 | 22F42255-91 | 4/15/2022 | 1300 |
| K2207378-022 | 22F42255-92 | 4/15/2022 | 1300 |
| K2207378-023 | 22F42255-93 | 4/15/2022 | 1300 |
| K2207378-024 | 22F42255-94 | 4/15/2022 | 1300 |
| K2207378-025 | 22F42255-95 | 4/15/2022 | 1300 |
| K2207378-026 | 22F42255-96 | 4/15/2022 | 1300 |

# SUBCONTRACT ORDER

122073178

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

ALS Kelso
1317 South 13th Avenue
Kelso, WA 98626
Phone: (360) 577-7222
Fax:

## Work Order: 22F4225

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-01** *Tissue* *Sampled: 05/11/2022 14:00* | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-02** *Tissue* *Sampled: 05/11/2022 14:00* | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-03** *Tissue* *Sampled: 05/11/2022 14:00* | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-04** *Tissue* *Sampled: 05/11/2022 14:00* | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-05** *Tissue* *Sampled: 05/11/2022 14:00* | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-41** | ***Tissue Sampled: 05/11/2022 14:00*** | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-42** | ***Tissue Sampled: 05/11/2022 14:00*** | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-43** | ***Tissue Sampled: 05/11/2022 14:00*** | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-44** | ***Tissue Sampled: 05/11/2022 14:00*** | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-45** | ***Tissue Sampled: 05/11/2022 14:00*** | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-46** | ***Tissue Sampled: 05/11/2022 14:00*** | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-47** ***Tissue Sampled: 05/11/2022 14:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-48** ***Tissue Sampled: 05/11/2022 14:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 05/25/2022 14:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-49** ***Tissue Sampled: 04/16/2022 12:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-50** ***Tissue Sampled: 04/16/2022 12:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-51** ***Tissue Sampled: 04/16/2022 12:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-52** ***Tissue Sampled: 04/16/2022 12:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)

K2207378

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-53** *Tissue* *Sampled: 04/16/2022 12:30* | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-89** *Tissue* *Sampled: 04/16/2022 12:30* | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-90** *Tissue* *Sampled: 04/16/2022 12:30* | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-91** *Tissue* *Sampled: 04/16/2022 12:30* | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-92** *Tissue* *Sampled: 04/16/2022 12:30* | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-93** *Tissue* *Sampled: 04/16/2022 12:30* | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |

# SUBCONTRACT ORDER
(Continued)

K22073T8

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-94** ***Tissue Sampled: 04/16/2022 12:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-95** ***Tissue Sampled: 04/16/2022 12:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-96** ***Tissue Sampled: 04/16/2022 12:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/30/2022 12:30 | |
| *Containers Supplied:* | | | |

QCD — Released By — 6.29.22 — Date

UPS — Received By — 6.29.22 — Date

6/30/22 1010

PM LR

# Cooler Receipt and Preservation Form

Client NWDLS Service Request K22 07378

Received: 6/30/22 Opened: 6/30/22 By: [signature] Unloaded: 6/30/22 By: [signature]

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp indicate with "X" | PM Notified If out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| | 3.6 | 1802 | | | | 1212040601976663529 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column above:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
14. Was C12/Res negative? NA Y N
15. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? NA Y N Under filled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: _____

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

ALS Kelso
1317 South 13th Avenue
Kelso, WA 98626
Phone: (360) 577-7222
Fax:

## Work Order: 22F4225

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-01** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-02** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-03** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-04** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-05** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-41** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-42** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-43** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-44** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-45** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-46** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-47** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-48** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/28/2022 10:30 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-49** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-50** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-51** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-52** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-53** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-89** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-90** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-91** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-92** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-93** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |

# SUBCONTRACT ORDER
**(Continued)**

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-94** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-95** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-96** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| Sub_Organotins-TX1001 | 08/19/2022 | 04/29/2022 13:00 | |
| *Containers Supplied:* | | | |

| Released By | Date | Received By | Date |
|---|---|---|---|

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2207378
**Project:** 22F4225/

**Sample Name:** 22F42255-01 **Date Collected:** 04/14/22
**Lab Code:** K2207378-001 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-01 **Date Collected:** 04/14/22
**Lab Code:** K2207378-001.R01 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-02 **Date Collected:** 04/14/22
**Lab Code:** K2207378-002 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-03 **Date Collected:** 04/14/22
**Lab Code:** K2207378-003 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-04 **Date Collected:** 04/14/22
**Lab Code:** K2207378-004 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2207378
**Project:** 22F4225/

**Sample Name:** 22F42255-05 **Date Collected:** 04/14/22
**Lab Code:** K2207378-005 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-41 **Date Collected:** 04/14/22
**Lab Code:** K2207378-006 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-42 **Date Collected:** 04/14/22
**Lab Code:** K2207378-007 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-43 **Date Collected:** 04/14/22
**Lab Code:** K2207378-008 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-43 **Date Collected:** 04/14/22
**Lab Code:** K2207378-008.R01 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2207378
**Project:** 22F4225/

**Sample Name:** 22F42255-44 **Date Collected:** 04/14/22
**Lab Code:** K2207378-009 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-45 **Date Collected:** 04/14/22
**Lab Code:** K2207378-010 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-46 **Date Collected:** 04/14/22
**Lab Code:** K2207378-011 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-47 **Date Collected:** 04/14/22
**Lab Code:** K2207378-012 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-48 **Date Collected:** 04/14/22
**Lab Code:** K2207378-013 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2207378
**Project:** 22F4225/

**Sample Name:** 22F42255-49 **Date Collected:** 04/15/22
**Lab Code:** K2207378-014 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-50 **Date Collected:** 04/15/22
**Lab Code:** K2207378-015 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-51 **Date Collected:** 04/15/22
**Lab Code:** K2207378-016 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-52 **Date Collected:** 04/15/22
**Lab Code:** K2207378-017 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-53 **Date Collected:** 04/15/22
**Lab Code:** K2207378-018 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2207378
**Project:** 22F4225/

**Sample Name:** 22F42255-89 **Date Collected:** 04/15/22
**Lab Code:** K2207378-019 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-90 **Date Collected:** 04/15/22
**Lab Code:** K2207378-020 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-91 **Date Collected:** 04/15/22
**Lab Code:** K2207378-021 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-92 **Date Collected:** 04/15/22
**Lab Code:** K2207378-022 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

**Sample Name:** 22F42255-93 **Date Collected:** 04/15/22
**Lab Code:** K2207378-023 **Date Received:** 06/30/22
**Sample Matrix:** Animal Tissue

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225/ | | |

| | | | |
|---|---|---|---|
| **Sample Name:** | 22F42255-94 | **Date Collected:** | 04/15/22 |
| **Lab Code:** | K2207378-024 | **Date Received:** | 06/30/22 |
| **Sample Matrix:** | Animal Tissue | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

| | | | |
|---|---|---|---|
| **Sample Name:** | 22F42255-95 | **Date Collected:** | 04/15/22 |
| **Lab Code:** | K2207378-025 | **Date Received:** | 06/30/22 |
| **Sample Matrix:** | Animal Tissue | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

| | | | |
|---|---|---|---|
| **Sample Name:** | 22F42255-96 | **Date Collected:** | 04/15/22 |
| **Lab Code:** | K2207378-026 | **Date Received:** | 06/30/22 |
| **Sample Matrix:** | Animal Tissue | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | GTRIGG | BBRIGHT |

# Sample Results

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-01 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-001 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.22 | 1 | 07/28/22 07:50 | 7/19/22 | * |
| Di-n-butyltin Cation | ND U | 1.2 | 0.14 | 1 | 07/28/22 07:50 | 7/19/22 | * |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.14 | 1 | 07/28/22 07:50 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 4 | 23 - 145 | 07/28/22 07:50 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-02 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-002 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **2.0** | **P** | 1.1 | 0.21 | 1 | 07/28/22 08:08 | 7/19/22 | * |
| Di-n-butyltin Cation | **0.38** | **J** | 1.1 | 0.13 | 1 | 07/28/22 08:08 | 7/19/22 | * |
| Tri-n-butyltin Cation | ND | Ui | 1.1 | 0.16 | 1 | 07/28/22 08:08 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 58 | 23 - 145 | 07/28/22 08:08 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-03 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-003 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.1 | 0.21 | 1 | 07/28/22 08:25 | 7/19/22 | * |
| Di-n-butyltin Cation | ND U | 1.1 | 0.13 | 1 | 07/28/22 08:25 | 7/19/22 | * |
| Tri-n-butyltin Cation | ND Ui | 1.1 | 0.16 | 1 | 07/28/22 08:25 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 69 | 23 - 145 | 07/28/22 08:25 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-04 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-004 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.56 JP** | 1.1 | 0.20 | 1 | 07/28/22 08:42 | 7/19/22 | * |
| Di-n-butyltin Cation | ND U | 1.1 | 0.12 | 1 | 07/28/22 08:42 | 7/19/22 | * |
| Tri-n-butyltin Cation | ND U | 1.1 | 0.12 | 1 | 07/28/22 08:42 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 71 | 23 - 145 | 07/28/22 08:42 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-05 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-005 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.33 J** | 1.1 | 0.20 | 1 | 07/28/22 09:00 | 7/19/22 | * |
| Di-n-butyltin Cation | ND U | 1.1 | 0.12 | 1 | 07/28/22 09:00 | 7/19/22 | * |
| Tri-n-butyltin Cation | **0.56 J** | 1.1 | 0.12 | 1 | 07/28/22 09:00 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 92 | 23 - 145 | 07/28/22 09:00 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-41 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-006 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.22 | 1 | 07/28/22 09:17 | 7/19/22 | * |
| Di-n-butyltin Cation | ND U | 1.2 | 0.14 | 1 | 07/28/22 09:17 | 7/19/22 | * |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.14 | 1 | 07/28/22 09:17 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 89 | 23 - 145 | 07/28/22 09:17 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-42 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-007 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.3 | 0.23 | 1 | 07/28/22 09:35 | 7/19/22 | * |
| Di-n-butyltin Cation | ND U | 1.3 | 0.14 | 1 | 07/28/22 09:35 | 7/19/22 | * |
| Tri-n-butyltin Cation | ND U | 1.3 | 0.14 | 1 | 07/28/22 09:35 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 0 | 23 - 145 | 07/28/22 09:35 | * |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-43 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-008 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.1 | 0.21 | 1 | 07/28/22 09:52 | 7/19/22 | * |
| Di-n-butyltin Cation | ND U | 1.1 | 0.13 | 1 | 07/28/22 09:52 | 7/19/22 | * |
| Tri-n-butyltin Cation | ND U | 1.1 | 0.13 | 1 | 07/28/22 09:52 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 10 | 23 - 145 | 07/28/22 09:52 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-44 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-009 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **1.1** | 1.0 | 0.19 | 1 | 07/28/22 10:10 | 7/19/22 | * |
| Di-n-butyltin Cation | ND U | 1.0 | 0.12 | 1 | 07/28/22 10:10 | 7/19/22 | * |
| Tri-n-butyltin Cation | **0.38 J** | 1.0 | 0.12 | 1 | 07/28/22 10:10 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 90 | 23 - 145 | 07/28/22 10:10 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-45 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-010 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.0 | 0.19 | 1 | 07/28/22 10:28 | 7/19/22 | * |
| Di-n-butyltin Cation | ND U | 1.0 | 0.12 | 1 | 07/28/22 10:28 | 7/19/22 | * |
| Tri-n-butyltin Cation | ND U | 1.0 | 0.12 | 1 | 07/28/22 10:28 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 62 | 23 - 145 | 07/28/22 10:28 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-46 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-011 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.84 J** | 0.98 | 0.18 | 1 | 07/28/22 11:22 | 7/19/22 | * |
| Di-n-butyltin Cation | **0.54 J** | 0.98 | 0.11 | 1 | 07/28/22 11:22 | 7/19/22 | * |
| Tri-n-butyltin Cation | **0.44 J** | 0.98 | 0.11 | 1 | 07/28/22 11:22 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 98 | 23 - 145 | 07/28/22 11:22 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-47 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-012 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.67** | **J** | 0.98 | 0.18 | 1 | 07/28/22 11:40 | 7/19/22 | * |
| Di-n-butyltin Cation | ND | U | 0.98 | 0.11 | 1 | 07/28/22 11:40 | 7/19/22 | * |
| Tri-n-butyltin Cation | ND | U | 0.98 | 0.11 | 1 | 07/28/22 11:40 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 71 | 23 - 145 | 07/28/22 11:40 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/14/22 10:30 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-48 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-013 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.0 | 0.18 | 1 | 07/28/22 11:58 | 7/19/22 | * |
| Di-n-butyltin Cation | ND U | 1.0 | 0.11 | 1 | 07/28/22 11:58 | 7/19/22 | * |
| Tri-n-butyltin Cation | ND U | 1.0 | 0.11 | 1 | 07/28/22 11:58 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 62 | 23 - 145 | 07/28/22 11:58 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-49 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-014 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **2.4** | 1.3 | 0.24 | 1 | 07/28/22 02:11 | 7/19/22 | |
| Di-n-butyltin Cation | **2.4** | 1.3 | 0.15 | 1 | 07/28/22 02:11 | 7/19/22 | |
| Tri-n-butyltin Cation | **0.33** | 1.3 | 0.15 | 1 | 07/28/22 02:11 | 7/19/22 | J |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 74 | 23 - 145 | 07/28/22 02:11 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-50 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-015 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **4.9** | 1.3 | 0.24 | 1 | 07/28/22 02:27 | 7/19/22 | |
| Di-n-butyltin Cation | **4.0** | 1.3 | 0.15 | 1 | 07/28/22 02:27 | 7/19/22 | |
| Tri-n-butyltin Cation | **0.24** J | 1.3 | 0.15 | 1 | 07/28/22 02:27 | 7/19/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 99 | 23 - 145 | 07/28/22 02:27 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-51 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-016 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **2.7** | 1.2 | 0.23 | 1 | 07/28/22 02:44 | 7/19/22 | |
| Di-n-butyltin Cation | **3.0** | 1.2 | 0.14 | 1 | 07/28/22 02:44 | 7/19/22 | |
| Tri-n-butyltin Cation | **0.15 JP** | 1.2 | 0.14 | 1 | 07/28/22 02:44 | 7/19/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 72 | 23 - 145 | 07/28/22 02:44 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-52 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-017 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **2.6** | 1.3 | 0.23 | 1 | 07/28/22 03:01 | 7/19/22 | |
| Di-n-butyltin Cation | **2.8** | 1.3 | 0.14 | 1 | 07/28/22 03:01 | 7/19/22 | |
| Tri-n-butyltin Cation | **0.21 JP** | 1.3 | 0.14 | 1 | 07/28/22 03:01 | 7/19/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 98 | 23 - 145 | 07/28/22 03:01 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-53 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-018 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **2.6** | 1.4 | 0.25 | 1 | 07/28/22 03:18 | 7/19/22 | |
| Di-n-butyltin Cation | **3.6** | 1.4 | 0.15 | 1 | 07/28/22 03:18 | 7/19/22 | |
| Tri-n-butyltin Cation | **0.22 JP** | 1.4 | 0.15 | 1 | 07/28/22 03:18 | 7/19/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 99 | 23 - 145 | 07/28/22 03:18 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-89 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-019 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.96** | **P** | 0.95 | 0.18 | 1 | 07/28/22 03:34 | 7/19/22 | |
| Di-n-butyltin Cation | **0.11** | **J** | 0.95 | 0.11 | 1 | 07/28/22 03:34 | 7/19/22 | |
| Tri-n-butyltin Cation | ND | U | 0.95 | 0.11 | 1 | 07/28/22 03:34 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 72 | 23 - 145 | 07/28/22 03:34 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-90 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-020 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **1.3** | 1.2 | 0.22 | 1 | 07/28/22 03:51 | 7/19/22 | |
| Di-n-butyltin Cation | ND U | 1.2 | 0.14 | 1 | 07/28/22 03:51 | 7/19/22 | |
| Tri-n-butyltin Cation | **0.18 J** | 1.2 | 0.14 | 1 | 07/28/22 03:51 | 7/19/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 73 | 23 - 145 | 07/28/22 03:51 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-91 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-021 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **1.0** | **J** | 1.3 | 0.23 | 1 | 07/28/22 04:08 | 7/19/22 | |
| Di-n-butyltin Cation | **0.18** | **J** | 1.3 | 0.14 | 1 | 07/28/22 04:08 | 7/19/22 | |
| Tri-n-butyltin Cation | **0.23** | **JP** | 1.3 | 0.14 | 1 | 07/28/22 04:08 | 7/19/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 86 | 23 - 145 | 07/28/22 04:08 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-92 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-022 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **2.8** | 1.3 | 0.23 | 1 | 07/28/22 04:25 | 7/19/22 | |
| Di-n-butyltin Cation | **2.5** | 1.3 | 0.14 | 1 | 07/28/22 04:25 | 7/19/22 | |
| Tri-n-butyltin Cation | **0.22** | 1.3 | 0.14 | 1 | 07/28/22 04:25 | 7/19/22 | J |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 92 | 23 - 145 | 07/28/22 04:25 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-93 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-023 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **2.3** | 1.3 | 0.24 | 1 | 07/28/22 04:42 | 7/19/22 | |
| Di-n-butyltin Cation | **2.7** | 1.3 | 0.15 | 1 | 07/28/22 04:42 | 7/19/22 | |
| Tri-n-butyltin Cation | **0.23 JP** | 1.3 | 0.15 | 1 | 07/28/22 04:42 | 7/19/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 100 | 23 - 145 | 07/28/22 04:42 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-94 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-024 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **2.2** | 1.2 | 0.22 | 1 | 07/28/22 05:33 | 7/19/22 | |
| Di-n-butyltin Cation | **1.8** | 1.2 | 0.14 | 1 | 07/28/22 05:33 | 7/19/22 | |
| Tri-n-butyltin Cation | **0.17 JP** | 1.2 | 0.14 | 1 | 07/28/22 05:33 | 7/19/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 91 | 23 - 145 | 07/28/22 05:33 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-95 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-025 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **2.2** | 1.2 | 0.23 | 1 | 07/28/22 05:50 | 7/19/22 | |
| Di-n-butyltin Cation | **1.7** | 1.2 | 0.14 | 1 | 07/28/22 05:50 | 7/19/22 | |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.14 | 1 | 07/28/22 05:50 | 7/19/22 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 73 | 23 - 145 | 07/28/22 05:50 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | 04/15/22 13:00 |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | 06/30/22 10:10 |
| **Sample Name:** | 22F42255-96 | **Units:** | ug/Kg |
| **Lab Code:** | K2207378-026 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **1.9** | 1.3 | 0.25 | 1 | 07/28/22 06:07 | 7/19/22 | |
| Di-n-butyltin Cation | **1.7** | 1.3 | 0.15 | 1 | 07/28/22 06:07 | 7/19/22 | |
| Tri-n-butyltin Cation | ND U | 1.3 | 0.15 | 1 | 07/28/22 06:07 | 7/19/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 41 | 23 - 145 | 07/28/22 06:07 | |

# QC Summary Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

QA/QC Report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2207378
**Project:** 22F4225
**Sample Matrix:** Animal Tissue

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** Method

| Sample Name | Lab Code | Tri-n-propyltin 23-145 |
|---|---|---|
| 22F42255-01 | K2207378-001 | 4* |
| 22F42255-02 | K2207378-002 | 58 |
| 22F42255-03 | K2207378-003 | 69 |
| 22F42255-04 | K2207378-004 | 71 |
| 22F42255-05 | K2207378-005 | 92 |
| 22F42255-41 | K2207378-006 | 89 |
| 22F42255-42 | K2207378-007 | 0* |
| 22F42255-43 | K2207378-008 | 10* |
| 22F42255-44 | K2207378-009 | 90 |
| 22F42255-45 | K2207378-010 | 62 |
| 22F42255-46 | K2207378-011 | 98 |
| 22F42255-47 | K2207378-012 | 71 |
| 22F42255-48 | K2207378-013 | 62 |
| 22F42255-49 | K2207378-014 | 74 |
| 22F42255-50 | K2207378-015 | 99 |
| 22F42255-51 | K2207378-016 | 72 |
| 22F42255-52 | K2207378-017 | 98 |
| 22F42255-53 | K2207378-018 | 99 |
| 22F42255-89 | K2207378-019 | 72 |
| 22F42255-90 | K2207378-020 | 73 |
| 22F42255-91 | K2207378-021 | 86 |
| 22F42255-92 | K2207378-022 | 92 |
| 22F42255-93 | K2207378-023 | 100 |
| 22F42255-94 | K2207378-024 | 91 |
| 22F42255-95 | K2207378-025 | 73 |
| 22F42255-96 | K2207378-026 | 41 |
| Method Blank | KQ2211578-01 | 8* |
| Method Blank | KQ2211613-01 | 32 |
| Lab Control Sample | KQ2211578-02 | 21* |
| Duplicate Lab Control Sample | KQ2211578-03 | 10* |
| Lab Control Sample | KQ2211613-02 | 40 |
| Duplicate Lab Control Sample | KQ2211613-03 | 76 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | NA |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2211578-01 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.98 | 0.18 | 1 | 07/28/22 06:59 | 7/19/22 | |
| Di-n-butyltin Cation | ND U | 0.98 | 0.11 | 1 | 07/28/22 06:59 | 7/19/22 | |
| Tri-n-butyltin Cation | ND U | 0.98 | 0.11 | 1 | 07/28/22 06:59 | 7/19/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 8 | 23 - 145 | 07/28/22 06:59 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | NA |
| **Sample Matrix:** | Animal Tissue | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2211613-01 | **Basis:** | Wet |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.95 | 0.18 | 1 | 07/28/22 01:22 | 7/19/22 | |
| Di-n-butyltin Cation | ND U | 0.95 | 0.11 | 1 | 07/28/22 01:22 | 7/19/22 | |
| Tri-n-butyltin Cation | ND U | 0.95 | 0.11 | 1 | 07/28/22 01:22 | 7/19/22 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 32 | 23 - 145 | 07/28/22 01:22 | |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Analyzed:** | 07/28/22 |
| **Sample Matrix:** | Animal Tissue | **Date Extracted:** | 07/19/22 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/Kg |
| **Prep Method:** | Method | **Basis:** | Wet |
| | | **Analysis Lot:** | 772201 |

| | Lab Control Sample KQ2211578-02 | | | Duplicate Lab Control Sample KQ2211578-03 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 3.95 P | 19.2 | 21 * | 1.53 P | 19.2 | 8 * | 27-141 | 88 * | 40 |
| n-Butyltin Cation | 3.63 | 15.6 | 23 | 1.45 | 15.6 | 9 * | 10-152 | 86 * | 40 |
| Tri-n-butyltin Cation | 4.67 | 22.3 | 21 * | 1.96 | 22.3 | 9 * | 25-124 | 82 * | 40 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Analyzed:** | 07/28/22 |
| **Sample Matrix:** | Animal Tissue | **Date Extracted:** | 07/19/22 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/Kg |
| **Prep Method:** | Method | **Basis:** | Wet |
| | | **Analysis Lot:** | 772205 |

| | Lab Control Sample KQ2211613-02 | | | Duplicate Lab Control Sample KQ2211613-03 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 6.25 | 19.2 | 33 | 11.9 | 19.2 | 62 | 27-141 | 62 * | 40 |
| n-Butyltin Cation | 5.85 | 15.6 | 38 | 12.0 | 15.6 | 77 | 10-152 | 69 * | 40 |
| Tri-n-butyltin Cation | 8.28 | 22.3 | 37 | 15.0 | 22.3 | 67 | 25-124 | 58 * | 40 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/14/22 10:30
**Date Received:** 6/30/22

**Sample Name:** 22F42255-02
**Lab Code:** K2207378-002

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.13 | 0.38 | 0.48 | 23 | J | 1 | 07/28/22 08:08 |
| n-Butyltin Cation | 0.21 | 2.0 | 3.1 | 43 | P | 1 | 07/28/22 08:08 |

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**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/14/22 10:30
**Date Received:** 6/30/22

**Sample Name:** 22F42255-04
**Lab Code:** K2207378-004

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.20 | 0.56 | 0.92 | 49 | JP | 1 | 07/28/22 08:42 |

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**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/14/22 10:30
**Date Received:** 6/30/22

**Sample Name:** 22F42255-05
**Lab Code:** K2207378-005

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tri-n-butyltin Cation | 0.12 | 0.56 | 0.57 | 2 | J | 1 | 07/28/22 09:00 |
| n-Butyltin Cation | 0.20 | 0.33 | 0.47 | 35 | J | 1 | 07/28/22 09:00 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/14/22 10:30
**Date Received:** 6/30/22

**Sample Name:** 22F42255-44
**Lab Code:** K2207378-009

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tri-n-butyltin Cation | 0.12 | 0.38 | 0.50 | 27 | J | 1 | 07/28/22 10:10 |
| n-Butyltin Cation | 0.19 | 1.1 | 1.3 | 17 | | 1 | 07/28/22 10:10 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/14/22 10:30
**Date Received:** 6/30/22

**Sample Name:** 22F42255-46
**Lab Code:** K2207378-011

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.11 | 0.54 | 0.43 | 23 | J | 1 | 07/28/22 11:22 |
| Tri-n-butyltin Cation | 0.11 | 0.44 | 0.42 | 5 | J | 1 | 07/28/22 11:22 |
| n-Butyltin Cation | 0.18 | 0.84 | 1.1 | 27 | J | 1 | 07/28/22 11:22 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/14/22 10:30
**Date Received:** 6/30/22

**Sample Name:** 22F42255-47
**Lab Code:** K2207378-012

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.18 | 0.67 | 0.82 | 20 | J | 1 | 07/28/22 11:40 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-49
**Lab Code:** K2207378-014

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.15 | 2.4 | 3.0 | 22 | | 1 | 07/28/22 02:11 |
| Tri-n-butyltin Cation | 0.15 | 0.33 | 0.42 | 24 | J | 1 | 07/28/22 02:11 |
| n-Butyltin Cation | 0.24 | 2.4 | 3.2 | 29 | | 1 | 07/28/22 02:11 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-50
**Lab Code:** K2207378-015

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.15 | 4.0 | 5.6 | 33 | | 1 | 07/28/22 02:27 |
| Tri-n-butyltin Cation | 0.15 | 0.24 | 0.34 | 34 | J | 1 | 07/28/22 02:27 |
| n-Butyltin Cation | 0.24 | 4.9 | 6.8 | 32 | | 1 | 07/28/22 02:27 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-51
**Lab Code:** K2207378-016

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.14 | 3.0 | 4.2 | 33 | | 1 | 07/28/22 02:44 |
| Tri-n-butyltin Cation | 0.14 | 0.15 | 0.26 | 54 | JP | 1 | 07/28/22 02:44 |
| n-Butyltin Cation | 0.23 | 2.7 | 3.6 | 29 | | 1 | 07/28/22 02:44 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-52
**Lab Code:** K2207378-017

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.14 | 2.8 | 4.0 | 35 | | 1 | 07/28/22 03:01 |
| Tri-n-butyltin Cation | 0.14 | 0.21 | 0.32 | 42 | JP | 1 | 07/28/22 03:01 |
| n-Butyltin Cation | 0.23 | 2.6 | 3.8 | 37 | | 1 | 07/28/22 03:01 |

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**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-53
**Lab Code:** K2207378-018

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.15 | 3.6 | 4.9 | 31 | | 1 | 07/28/22 03:18 |
| Tri-n-butyltin Cation | 0.15 | 0.22 | 0.36 | 48 | JP | 1 | 07/28/22 03:18 |
| n-Butyltin Cation | 0.25 | 2.6 | 3.7 | 35 | | 1 | 07/28/22 03:18 |

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**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-89
**Lab Code:** K2207378-019

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.11 | 0.11 | 0.16 | 37 | J | 1 | 07/28/22 03:34 |
| n-Butyltin Cation | 0.18 | 0.96 | 1.5 | 44 | P | 1 | 07/28/22 03:34 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-90
**Lab Code:** K2207378-020

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tri-n-butyltin Cation | 0.14 | 0.18 | 0.18 | <1 | J | 1 | 07/28/22 03:51 |
| n-Butyltin Cation | 0.22 | 1.3 | 1.7 | 27 | | 1 | 07/28/22 03:51 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-91
**Lab Code:** K2207378-021

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.14 | 0.18 | 0.23 | 24 | J | 1 | 07/28/22 04:08 |
| Tri-n-butyltin Cation | 0.14 | 0.23 | 0.38 | 49 | JP | 1 | 07/28/22 04:08 |
| n-Butyltin Cation | 0.23 | 1.0 | 1.4 | 33 | J | 1 | 07/28/22 04:08 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-92
**Lab Code:** K2207378-022

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.14 | 2.5 | 3.7 | 39 | | 1 | 07/28/22 04:25 |
| Tri-n-butyltin Cation | 0.14 | 0.22 | 0.33 | 40 | J | 1 | 07/28/22 04:25 |
| n-Butyltin Cation | 0.23 | 2.8 | 4.0 | 35 | | 1 | 07/28/22 04:25 |

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**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-93
**Lab Code:** K2207378-023

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.15 | 2.7 | 3.6 | 29 | | 1 | 07/28/22 04:42 |
| Tri-n-butyltin Cation | 0.15 | 0.23 | 0.46 | 67 | JP | 1 | 07/28/22 04:42 |
| n-Butyltin Cation | 0.24 | 2.3 | 3.2 | 33 | | 1 | 07/28/22 04:42 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-94
**Lab Code:** K2207378-024

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.14 | 1.8 | 2.3 | 24 | | 1 | 07/28/22 05:33 |
| Tri-n-butyltin Cation | 0.14 | 0.17 | 0.28 | 49 | JP | 1 | 07/28/22 05:33 |
| n-Butyltin Cation | 0.22 | 2.2 | 2.7 | 20 | | 1 | 07/28/22 05:33 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-95
**Lab Code:** K2207378-025

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.14 | 1.7 | 2.3 | 30 | | 1 | 07/28/22 05:50 |
| n-Butyltin Cation | 0.23 | 2.2 | 2.9 | 27 | | 1 | 07/28/22 05:50 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** 04/15/22 13:00
**Date Received:** 6/30/22

**Sample Name:** 22F42255-96
**Lab Code:** K2207378-026

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.15 | 1.7 | 2.1 | 21 | | 1 | 07/28/22 06:07 |
| n-Butyltin Cation | 0.25 | 1.9 | 2.6 | 31 | | 1 | 07/28/22 06:07 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 22F4225
**Matrix:** Animal Tissue

**Service Request:** K2207378
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2211578-02

**Units:** ug/Kg
**Basis:** Wet

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.11 | 3.95 | 6.21 | 44 | P | 1 | 07/28/22 07:16 |
| Tri-n-butyltin Cation | 0.11 | 4.67 | 6.60 | 34 | | 1 | 07/28/22 07:16 |
| n-Butyltin Cation | 0.18 | 3.63 | 4.49 | 21 | | 1 | 07/28/22 07:16 |

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**dba ALS Environmental**

Confirmation Results

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | NA |
| **Matrix:** | Animal Tissue | **Date Received:** | |
| **Sample Name:** | Duplicate Lab Control Sample | | |
| **Lab Code:** | KQ2211578-03 | **Units:** | ug/Kg |
| | | **Basis:** | Wet |

**Butyltins**

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.11 | 1.53 | 3.47 | 78 | P | 1 | 07/28/22 07:33 |
| Tri-n-butyltin Cation | 0.11 | 1.96 | 2.63 | 29 | | 1 | 07/28/22 07:33 |
| n-Butyltin Cation | 0.18 | 1.45 | 1.84 | 24 | | 1 | 07/28/22 07:33 |

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**dba ALS Environmental**

Confirmation Results

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | NA |
| **Matrix:** | Animal Tissue | **Date Received:** | |
| **Sample Name:** | Lab Control Sample | | |
| **Lab Code:** | KQ2211613-02 | **Units:** | ug/Kg |
| | | **Basis:** | Wet |

**Butyltins**

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.11 | 6.25 | 8.82 | 34 | | 1 | 07/28/22 01:38 |
| Tri-n-butyltin Cation | 0.11 | 8.28 | 11.0 | 28 | | 1 | 07/28/22 01:38 |
| n-Butyltin Cation | 0.18 | 5.85 | 7.99 | 31 | | 1 | 07/28/22 01:38 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2207378 |
| **Project:** | 22F4225 | **Date Collected:** | NA |
| **Matrix:** | Animal Tissue | **Date Received:** | |
| **Sample Name:** | Duplicate Lab Control Sample | | |
| **Lab Code:** | KQ2211613-03 | **Units:** | ug/Kg |
| | | **Basis:** | Wet |

**Butyltins**

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.11 | 11.9 | 15.5 | 26 | | 1 | 07/28/22 01:55 |
| Tri-n-butyltin Cation | 0.11 | 15.0 | 21.5 | 36 | | 1 | 07/28/22 01:55 |
| n-Butyltin Cation | 0.18 | 12.0 | 15.8 | 27 | | 1 | 07/28/22 01:55 |

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# ANALYTICAL REPORT

Eurofins Houston
4145 Greenbriar Dr
Stafford, TX 77477
Tel: (281)240-4200

Laboratory Job ID: 860-30001-1
Client Project/Site: Fish Tissue 22F4225

For:
North Water District Laboratory Services
8725 Fawn Trail
Conroe, Texas 77385

Attn: Monica Martin

*Authorized for release by:*
*8/22/2022 9:55:01 PM*

Travis Richter, Project Manager
(281)794-7216
Travis.Richter@et.eurofinsus.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.



Results relate only to the items tested and the sample(s) as received by the laboratory.

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# Definitions/Glossary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Qualifiers

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| B | Compound was found in the blank and sample. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| H | Sample was prepped or analyzed beyond the specified holding time |
| H3 | Sample was received and analyzed past holding time. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1- | Surrogate recovery exceeds control limits, low biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

## Job ID: 860-30001-1

### Laboratory: Eurofins Houston

**Narrative**

**Job Narrative**
**860-30001-1**

**Receipt**
The samples were received on 7/19/2022 3:54 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

**GC Semi VOA**
Method TX_1005: The method blank for preparation batch 860-63798 and analytical batch 860-63735 contained Over C12-C28 above the method detection limit. The blank matrix used to extract the MB for preparation batch 860-63798 and analytical batch 860-63735 was provided by the client, so the contamination in the MB may be from the matrix provided. This target analyte concentration was less than the reporting limit (RL) and there is no more sample to re-extract; therefore, re-extraction and/or re-analysis of samples was not performed.

Method TX_1005: The following samples were received outside of holding time: 22F4225-01 (860-30001-1), 22F4225-02 (860-30001-2), 22F4225-03 (860-30001-3), 22F4225-04 (860-30001-4), 22F4225-05 (860-30001-5), 22F4225-06 (860-30001-6), 22F4225-07 (860-30001-7), 22F4225-08 (860-30001-8), 22F4225-09 (860-30001-9), 22F4225-10 (860-30001-10), 22F4225-12 (860-30001-12), 22F4225-13 (860-30001-13), 22F4225-14 (860-30001-14), 22F4225-15 (860-30001-15) and 22F4225-17 (860-30001-17).

Method TX_1005: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-63798 and analytical batch 860-63735 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method TX_1005: The following samples were received outside of holding time: 22F4225-18 (860-30001-18), 22F4225-19 (860-30001-19), 22F4225-20 (860-30001-20), 22F4225-21 (860-30001-21) and 22F4225-22 (860-30001-22).

Method TX_1005: The surrogate recovery for the LCS/LCSD associated with preparation batch 860-63798 and analytical batch 860-63965 was outside the control limits. Spiked analytes recovered within control limits so the data was reported.

Method TX_1005: The blank matrix used to extract the LCS/LCSD for prep batch preparation batch 860-63798 and analytical batch 860-63965 was provided by the client.(LCS 860-63798/2-A) and (LCSD 860-63798/3-A)

Method TX_1005: Surrogate 1-Chlorooctane (Surr) recovery for the following sample was outside the upper control limit: 22F4225-17 (860-30001-17). This sample did not contain any target analytes for the affected range; therefore, re-extraction and/or re-analysis was not performed.

Method TX_1005: The laboratory control sample duplicate (LCSD) for preparation batch 860-64426 and analytical batch 860-64359 recovered outside control limits for the following analytes: Over C12-C28. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method TX_1005: The following samples were received outside of holding time: 22F4225-11 (860-30001-11), 22F4225-23 (860-30001-23), 22F4225-24 (860-30001-24), 22F4225-25 (860-30001-25), 22F4225-26 (860-30001-26), 22F4225-27 (860-30001-27), 22F4225-28 (860-30001-28), 22F4225-29 (860-30001-29), 22F4225-30 (860-30001-30), 22F4225-31 (860-30001-31), 22F4225-32 (860-30001-32), 22F4225-33 (860-30001-33), 22F4225-34 (860-30001-34), 22F4225-35 (860-30001-35), 22F4225-36 (860-30001-36), 22F4225-37 (860-30001-37), 22F4225-38 (860-30001-38), 22F4225-39 (860-30001-39), 22F4225-40 (860-30001-40) and 22F4225-41 (860-30001-41).

Method TX_1005: The following samples were received outside of holding time: 22F4225-16 (860-30001-16), 22F4225-16 (860-30001-16[MS]), 22F4225-16 (860-30001-16[MSD]), 22F4225-26 (860-30001-26[MS]), 22F4225-26 (860-30001-26[MSD]), 22F4225-33 (860-30001-33[MS]), 22F4225-33 (860-30001-33[MSD]), 22F4225-42 (860-30001-42), 22F4225-43 (860-30001-43), 22F4225-44 (860-30001-44), 22F4225-45 (860-30001-45), 22F4225-46 (860-30001-46), 22F4225-47 (860-30001-47), 22F4225-48 (860-30001-48), 22F4225-49 (860-30001-49), 22F4225-50 (860-30001-50), 22F4225-51 (860-30001-51), 22F4225-52 (860-30001-52), 22F4225-53 (860-30001-53), 22F4225-54 (860-30001-54), 22F4225-55 (860-30001-55), 22F4225-56 (860-30001-56), 22F4225-57 (860-30001-57), 22F4225-58 (860-30001-58), 22F4225-59 (860-30001-59) and 22F4225-60 (860-30001-60).

## Job ID: 860-30001-1 (Continued)

### Laboratory: Eurofins Houston (Continued)

Method TX_1005: The following samples were received outside of holding time: 22F4225-16 (860-30001-16), 22F4225-16 (860-30001-16[MS]), 22F4225-16 (860-30001-16[MSD]), 22F4225-42 (860-30001-42), 22F4225-43 (860-30001-43), 22F4225-44 (860-30001-44), 22F4225-45 (860-30001-45), 22F4225-46 (860-30001-46), 22F4225-47 (860-30001-47), 22F4225-48 (860-30001-48), 22F4225-49 (860-30001-49), 22F4225-50 (860-30001-50), 22F4225-51 (860-30001-51), 22F4225-52 (860-30001-52), 22F4225-53 (860-30001-53), 22F4225-54 (860-30001-54), 22F4225-55 (860-30001-55), 22F4225-56 (860-30001-56), 22F4225-57 (860-30001-57), 22F4225-58 (860-30001-58), 22F4225-59 (860-30001-59) and 22F4225-60 (860-30001-60).

Method TX_1005: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-64426 and analytical batch 860-64509 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method TX_1005: The following samples were received outside of holding time: 22F4225-61 (860-30001-61), 22F4225-62 (860-30001-62), 22F4225-63 (860-30001-63), 22F4225-64 (860-30001-64), 22F4225-65 (860-30001-65), 22F4225-66 (860-30001-66), 22F4225-67 (860-30001-67), 22F4225-68 (860-30001-68), 22F4225-69 (860-30001-69), 22F4225-70 (860-30001-70), 22F4225-71 (860-30001-71), 22F4225-72 (860-30001-72) and 22F4225-73 (860-30001-73).

Method TX_1005: The following samples were received outside of holding time: 22F4225-74 (860-30001-74), 22F4225-75 (860-30001-75), 22F4225-79 (860-30001-79) and 22F4225-80 (860-30001-80).

Method TX_1005: The following samples were received outside of holding time: 22F4225-76 (860-30001-76), 22F4225-77 (860-30001-77), 22F4225-81 (860-30001-81), 22F4225-82 (860-30001-82), 22F4225-83 (860-30001-83), 22F4225-84 (860-30001-84), 22F4225-85 (860-30001-85), 22F4225-86 (860-30001-86), 22F4225-87 (860-30001-87), 22F4225-88 (860-30001-88), 22F4225-89 (860-30001-89), 22F4225-90 (860-30001-90), 22F4225-91 (860-30001-91), 22F4225-92 (860-30001-92), 22F4225-93 (860-30001-93), 22F4225-94 (860-30001-94), 22F4225-95 (860-30001-95) and 22F4225-96 (860-30001-96).

Method TX_1005: The following sample was received outside of holding time: 22F4225-78 (860-30001-78).

Method TX_1005: The following samples were received outside of holding time: 22F4225-81 (860-30001-81), 22F4225-82 (860-30001-82), 22F4225-83 (860-30001-83), 22F4225-84 (860-30001-84), 22F4225-85 (860-30001-85), 22F4225-86 (860-30001-86), 22F4225-87 (860-30001-87), 22F4225-88 (860-30001-88), 22F4225-89 (860-30001-89), 22F4225-90 (860-30001-90), 22F4225-91 (860-30001-91), 22F4225-92 (860-30001-92), 22F4225-93 (860-30001-93), 22F4225-94 (860-30001-94), 22F4225-95 (860-30001-95) and 22F4225-96 (860-30001-96).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-01 — Lab Sample ID: 860-30001-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 187 | H H3 B | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 187 | | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-02 — Lab Sample ID: 860-30001-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 239 | H H3 B | 98.6 | 41.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 239 | | 98.6 | 41.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-03 — Lab Sample ID: 860-30001-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 93.8 | J H H3 B | 99.8 | 42.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 93.8 | J | 99.8 | 42.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-04 — Lab Sample ID: 860-30001-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 62.1 | J H H3 B | 99.4 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 62.1 | J | 99.4 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-05 — Lab Sample ID: 860-30001-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 262 | H H3 B | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 262 | | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-06 — Lab Sample ID: 860-30001-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 65.5 | J H H3 B | 96.5 | 40.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 65.5 | J | 96.5 | 40.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-07 — Lab Sample ID: 860-30001-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 73.9 | J H H3 B | 96.5 | 40.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 73.9 | J | 96.5 | 40.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-08 — Lab Sample ID: 860-30001-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | 51.1 | J H H3 | 100 | 42.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C12-C28 Range Hydrocarbons | 612 | H H3 B | 100 | 42.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 47.8 | J H H3 | 100 | 42.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 711 | | 100 | 42.3 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-09 — Lab Sample ID: 860-30001-9

No Detections.

## Client Sample ID: 22F4225-10 — Lab Sample ID: 860-30001-10

No Detections.

## Client Sample ID: 22F4225-11 — Lab Sample ID: 860-30001-11

No Detections.

## Client Sample ID: 22F4225-12 — Lab Sample ID: 860-30001-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 251 | H H3 B | 101 | 42.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 251 | | 101 | 42.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-13 — Lab Sample ID: 860-30001-13

No Detections.

## Client Sample ID: 22F4225-14 — Lab Sample ID: 860-30001-14

No Detections.

## Client Sample ID: 22F4225-15 — Lab Sample ID: 860-30001-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 165 | H H3 B | 97.7 | 41.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 165 | | 97.7 | 41.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-16 — Lab Sample ID: 860-30001-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 198 | H H3 | 101 | 42.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 198 | | 101 | 42.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-17 — Lab Sample ID: 860-30001-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 200 | H H3 B | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 200 | | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-18 — Lab Sample ID: 860-30001-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 108 | H H3 B | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 108 | | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-19 — Lab Sample ID: 860-30001-19

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 86.9 | J H H3 B | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 86.9 | J | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-20 — Lab Sample ID: 860-30001-20

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 257 | H H3 B | 97.7 | 41.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 257 | | 97.7 | 41.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-21 — Lab Sample ID: 860-30001-21

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 124 | H H3 B | 95.1 | 40.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 124 | | 95.1 | 40.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-22 — Lab Sample ID: 860-30001-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 111 | H H3 B | 101 | 42.5 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 111 | | 101 | 42.5 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-23 — Lab Sample ID: 860-30001-23

No Detections.

## Client Sample ID: 22F4225-24 — Lab Sample ID: 860-30001-24

No Detections.

## Client Sample ID: 22F4225-25 — Lab Sample ID: 860-30001-25

No Detections.

## Client Sample ID: 22F4225-26 — Lab Sample ID: 860-30001-26

No Detections.

## Client Sample ID: 22F4225-27 — Lab Sample ID: 860-30001-27

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | 49.0 | J H H3 B | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 49.0 | J | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-28 — Lab Sample ID: 860-30001-28

No Detections.

## Client Sample ID: 22F4225-29 — Lab Sample ID: 860-30001-29

No Detections.

## Client Sample ID: 22F4225-30 — Lab Sample ID: 860-30001-30

No Detections.

## Client Sample ID: 22F4225-31 — Lab Sample ID: 860-30001-31

No Detections.

## Client Sample ID: 22F4225-32 — Lab Sample ID: 860-30001-32

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Houston

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-33 — Lab Sample ID: 860-30001-33

No Detections.

## Client Sample ID: 22F4225-34 — Lab Sample ID: 860-30001-34

No Detections.

## Client Sample ID: 22F4225-35 — Lab Sample ID: 860-30001-35

No Detections.

## Client Sample ID: 22F4225-36 — Lab Sample ID: 860-30001-36

No Detections.

## Client Sample ID: 22F4225-37 — Lab Sample ID: 860-30001-37

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | 43.3 | J H H3 B | 94.0 | 39.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 43.3 | J | 94.0 | 39.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-38 — Lab Sample ID: 860-30001-38

No Detections.

## Client Sample ID: 22F4225-39 — Lab Sample ID: 860-30001-39

No Detections.

## Client Sample ID: 22F4225-40 — Lab Sample ID: 860-30001-40

No Detections.

## Client Sample ID: 22F4225-41 — Lab Sample ID: 860-30001-41

No Detections.

## Client Sample ID: 22F4225-42 — Lab Sample ID: 860-30001-42

No Detections.

## Client Sample ID: 22F4225-43 — Lab Sample ID: 860-30001-43

No Detections.

## Client Sample ID: 22F4225-44 — Lab Sample ID: 860-30001-44

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 71.2 | J H H3 | 96.3 | 40.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 71.2 | J | 96.3 | 40.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-45 — Lab Sample ID: 860-30001-45

No Detections.

## Client Sample ID: 22F4225-46 — Lab Sample ID: 860-30001-46

No Detections.

## Client Sample ID: 22F4225-47 — Lab Sample ID: 860-30001-47

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Houston

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-48 — Lab Sample ID: 860-30001-48

No Detections.

## Client Sample ID: 22F4225-49 — Lab Sample ID: 860-30001-49

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 55.0 | J H H3 | 97.7 | 41.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 55.0 | J | 97.7 | 41.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-50 — Lab Sample ID: 860-30001-50

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 47.8 | J H H3 | 99.0 | 41.8 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 47.8 | J | 99.0 | 41.8 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-51 — Lab Sample ID: 860-30001-51

No Detections.

## Client Sample ID: 22F4225-52 — Lab Sample ID: 860-30001-52

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 54.4 | J H H3 | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 54.4 | J | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-53 — Lab Sample ID: 860-30001-53

No Detections.

## Client Sample ID: 22F4225-54 — Lab Sample ID: 860-30001-54

No Detections.

## Client Sample ID: 22F4225-55 — Lab Sample ID: 860-30001-55

No Detections.

## Client Sample ID: 22F4225-56 — Lab Sample ID: 860-30001-56

No Detections.

## Client Sample ID: 22F4225-57 — Lab Sample ID: 860-30001-57

No Detections.

## Client Sample ID: 22F4225-58 — Lab Sample ID: 860-30001-58

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 64.2 | J H H3 | 87.7 | 37.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 64.2 | J | 87.7 | 37.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-59 — Lab Sample ID: 860-30001-59

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 63.3 | J H H3 | 96.9 | 40.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 63.3 | J | 96.9 | 40.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-60 — Lab Sample ID: 860-30001-60

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 90.3 | J H H3 | 99.0 | 41.8 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 90.3 | J | 99.0 | 41.8 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-61 — Lab Sample ID: 860-30001-61

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 113 | H H3 | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 113 | | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-62 — Lab Sample ID: 860-30001-62

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 223 | H H3 | 98.8 | 41.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 223 | | 98.8 | 41.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-63 — Lab Sample ID: 860-30001-63

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 298 | H H3 | 95.4 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 298 | | 95.4 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-64 — Lab Sample ID: 860-30001-64

No Detections.

## Client Sample ID: 22F4225-65 — Lab Sample ID: 860-30001-65

No Detections.

## Client Sample ID: 22F4225-66 — Lab Sample ID: 860-30001-66

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 426 | H H3 | 101 | 42.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 426 | | 101 | 42.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-67 — Lab Sample ID: 860-30001-67

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 41.2 | J H H3 | 88.2 | 37.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 41.2 | J | 88.2 | 37.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-68 — Lab Sample ID: 860-30001-68

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 119 | H H3 | 83.8 | 35.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 119 | | 83.8 | 35.3 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-69 — Lab Sample ID: 860-30001-69

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 206 | H H3 | 96.3 | 40.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-69 (Continued) — Lab Sample ID: 860-30001-69

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Total Petroleum Hydrocarbons (C6-C35) | 206 | | 96.3 | 40.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-70 — Lab Sample ID: 860-30001-70

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 379 | H H3 | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 379 | | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-71 — Lab Sample ID: 860-30001-71

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 141 | H H3 | 91.7 | 38.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 141 | | 91.7 | 38.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-72 — Lab Sample ID: 860-30001-72

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 337 | H H3 | 95.1 | 40.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 337 | | 95.1 | 40.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-73 — Lab Sample ID: 860-30001-73

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 334 | H H3 | 91.9 | 38.8 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 42.4 | J H H3 | 91.9 | 38.8 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 376 | | 91.9 | 38.8 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-74 — Lab Sample ID: 860-30001-74

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 65.5 | J H H3 | 99.4 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 65.5 | J | 99.4 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-75 — Lab Sample ID: 860-30001-75

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 107 | H H3 | 101 | 42.5 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 107 | | 101 | 42.5 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-76 — Lab Sample ID: 860-30001-76

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 42.3 | J H H3 | 94.5 | 39.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 42.3 | J | 94.5 | 39.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-77 — Lab Sample ID: 860-30001-77

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 40.6 | J H H3 | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

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# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-77 (Continued) — Lab Sample ID: 860-30001-77

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Total Petroleum Hydrocarbons (C6-C35) | 40.6 | J | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-78 — Lab Sample ID: 860-30001-78

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 109 | H H3 | 92.6 | 39.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 109 | | 92.6 | 39.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-79 — Lab Sample ID: 860-30001-79

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 181 | H H3 | 94.2 | 39.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 181 | | 94.2 | 39.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-80 — Lab Sample ID: 860-30001-80

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 210 | H H3 | 84.6 | 35.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 55.7 | J H H3 | 84.6 | 35.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 266 | | 84.6 | 35.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-81 — Lab Sample ID: 860-30001-81

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 85.2 | J H H3 | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 85.2 | J | 100 | 42.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-82 — Lab Sample ID: 860-30001-82

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 213 | H H3 | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 41.0 | J H H3 | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 254 | | 96.2 | 40.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-83 — Lab Sample ID: 860-30001-83

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 196 | H H3 | 93.5 | 39.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 196 | | 93.5 | 39.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-84 — Lab Sample ID: 860-30001-84

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 332 | H H3 | 95.6 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 332 | | 95.6 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-85 — Lab Sample ID: 860-30001-85

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 279 | H H3 | 85.5 | 36.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 279 | | 85.5 | 36.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-86 — Lab Sample ID: 860-30001-86

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 168 | H H3 | 90.9 | 38.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 168 | | 90.9 | 38.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-87 — Lab Sample ID: 860-30001-87

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 75.5 | J H H3 | 102 | 43.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 75.5 | J | 102 | 43.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-88 — Lab Sample ID: 860-30001-88

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 187 | H H3 | 94.9 | 40.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 187 | | 94.9 | 40.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-89 — Lab Sample ID: 860-30001-89

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 146 | H H3 | 95.4 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 146 | | 95.4 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-90 — Lab Sample ID: 860-30001-90

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 417 | H H3 | 97.7 | 41.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 417 | | 97.7 | 41.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-91 — Lab Sample ID: 860-30001-91

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 999 | H H3 | 94.5 | 39.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 48.7 | J H H3 | 94.5 | 39.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 187 | | 50.0 | 21.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-92 — Lab Sample ID: 860-30001-92

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 658 | H H3 | 93.8 | 39.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 52.2 | J H H3 | 93.8 | 39.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 710 | | 93.8 | 39.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-93 — Lab Sample ID: 860-30001-93

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 948 | H H3 | 92.1 | 38.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 72.5 | J H H3 | 92.1 | 38.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 1020 | | 92.1 | 38.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-94 — Lab Sample ID: 860-30001-94

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 515 | H H3 | 97.5 | 41.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 48.8 | J H H3 | 97.5 | 41.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 564 | | 97.5 | 41.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-95 — Lab Sample ID: 860-30001-95

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 56.3 | H H3 | 50.0 | 21.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 56.3 | | 50.0 | 21.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 22F4225-96 — Lab Sample ID: 860-30001-96

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 424 | H H3 | 99.2 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 42.6 | J H H3 | 99.2 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 467 | | 99.2 | 41.9 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: 22F4225-01
**Lab Sample ID: 860-30001-1**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 08/05/22 12:41 | 08/05/22 20:19 | 1 |
| **>C12-C28 Range Hydrocarbons** | **187** | **H H3 B** | 98.0 | 41.4 | mg/Kg | | 08/05/22 12:41 | 08/05/22 20:19 | 1 |
| >C28-C35 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 08/05/22 12:41 | 08/05/22 20:19 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **187** | | 98.0 | 41.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 20:19* | *1* |
| *o-Terphenyl (Surr)* | *97* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 20:19* | *1* |

## Client Sample ID: 22F4225-02
**Lab Sample ID: 860-30001-2**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.6 | U H H3 | 98.6 | 41.6 | mg/Kg | | 08/05/22 12:41 | 08/05/22 20:39 | 1 |
| **>C12-C28 Range Hydrocarbons** | **239** | **H H3 B** | 98.6 | 41.6 | mg/Kg | | 08/05/22 12:41 | 08/05/22 20:39 | 1 |
| >C28-C35 Range Hydrocarbons | <41.6 | U H H3 | 98.6 | 41.6 | mg/Kg | | 08/05/22 12:41 | 08/05/22 20:39 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **239** | | 98.6 | 41.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *119* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 20:39* | *1* |
| *o-Terphenyl (Surr)* | *114* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 20:39* | *1* |

## Client Sample ID: 22F4225-03
**Lab Sample ID: 860-30001-3**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.1 | U H H3 | 99.8 | 42.1 | mg/Kg | | 08/05/22 12:41 | 08/05/22 20:59 | 1 |
| **>C12-C28 Range Hydrocarbons** | **93.8** | **J H H3 B** | 99.8 | 42.1 | mg/Kg | | 08/05/22 12:41 | 08/05/22 20:59 | 1 |
| >C28-C35 Range Hydrocarbons | <42.1 | U H H3 | 99.8 | 42.1 | mg/Kg | | 08/05/22 12:41 | 08/05/22 20:59 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **93.8** | **J** | 99.8 | 42.1 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *102* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 20:59* | *1* |
| *o-Terphenyl (Surr)* | *99* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 20:59* | *1* |

## Client Sample ID: 22F4225-04
**Lab Sample ID: 860-30001-4**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/05/22 12:41 | 08/05/22 21:19 | 1 |
| **>C12-C28 Range Hydrocarbons** | **62.1** | **J H H3 B** | 99.4 | 41.9 | mg/Kg | | 08/05/22 12:41 | 08/05/22 21:19 | 1 |
| >C28-C35 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/05/22 12:41 | 08/05/22 21:19 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **62.1** | **J** | 99.4 | 41.9 | mg/Kg | | | 08/18/22 16:48 | 1 |

## Client Sample ID: 22F4225-04
**Lab Sample ID: 860-30001-4**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 110 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 21:19 | 1 |
| o-Terphenyl (Surr) | 109 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 21:19 | 1 |

## Client Sample ID: 22F4225-05
**Lab Sample ID: 860-30001-5**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/05/22 12:41 | 08/05/22 21:58 | 1 |
| **>C12-C28 Range Hydrocarbons** | **262** | **H H3 B** | 100 | 42.4 | mg/Kg | | 08/05/22 12:41 | 08/05/22 21:58 | 1 |
| >C28-C35 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/05/22 12:41 | 08/05/22 21:58 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **262** | | 100 | 42.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 116 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 21:58 | 1 |
| o-Terphenyl (Surr) | 113 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 21:58 | 1 |

## Client Sample ID: 22F4225-06
**Lab Sample ID: 860-30001-6**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.7 | U H H3 | 96.5 | 40.7 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:18 | 1 |
| **>C12-C28 Range Hydrocarbons** | **65.5** | **J H H3 B** | 96.5 | 40.7 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:18 | 1 |
| >C28-C35 Range Hydrocarbons | <40.7 | U H H3 | 96.5 | 40.7 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:18 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **65.5** | **J** | 96.5 | 40.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 109 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 22:18 | 1 |
| o-Terphenyl (Surr) | 104 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 22:18 | 1 |

## Client Sample ID: 22F4225-07
**Lab Sample ID: 860-30001-7**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.7 | U H H3 | 96.5 | 40.7 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:38 | 1 |
| **>C12-C28 Range Hydrocarbons** | **73.9** | **J H H3 B** | 96.5 | 40.7 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:38 | 1 |
| >C28-C35 Range Hydrocarbons | <40.7 | U H H3 | 96.5 | 40.7 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:38 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **73.9** | **J** | 96.5 | 40.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 108 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 22:38 | 1 |
| o-Terphenyl (Surr) | 105 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 22:38 | 1 |

## Client Sample ID: 22F4225-08
**Lab Sample ID: 860-30001-8**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | 51.1 | J H H3 | 100 | 42.3 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:57 | 1 |
| >C12-C28 Range Hydrocarbons | 612 | H H3 B | 100 | 42.3 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:57 | 1 |
| >C28-C35 Range Hydrocarbons | 47.8 | J H H3 | 100 | 42.3 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:57 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | 711 | | 100 | 42.3 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *117* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 22:57* | *1* |
| *o-Terphenyl (Surr)* | *117* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 22:57* | *1* |

## Client Sample ID: 22F4225-09
**Lab Sample ID: 860-30001-9**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.7 | U H H3 | 96.5 | 40.7 | mg/Kg | | 08/05/22 12:41 | 08/05/22 19:20 | 1 |
| >C12-C28 Range Hydrocarbons | <40.7 | U H F1 H3 | 96.5 | 40.7 | mg/Kg | | 08/05/22 12:41 | 08/05/22 19:20 | 1 |
| >C28-C35 Range Hydrocarbons | <40.7 | U H H3 | 96.5 | 40.7 | mg/Kg | | 08/05/22 12:41 | 08/05/22 19:20 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <40.7 | U | 96.5 | 40.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *105* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 19:20* | *1* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 19:20* | *1* |

## Client Sample ID: 22F4225-10
**Lab Sample ID: 860-30001-10**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:17 | 1 |
| >C12-C28 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:17 | 1 |
| >C28-C35 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:17 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.5 | U | 98.4 | 41.5 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 23:17* | *1* |
| *o-Terphenyl (Surr)* | *96* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 23:17* | *1* |

## Client Sample ID: 22F4225-11
**Lab Sample ID: 860-30001-11**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 95.6 | 40.3 | mg/Kg | | 08/10/22 16:46 | 08/10/22 20:13 | 1 |
| >C12-C28 Range Hydrocarbons | <40.3 | U *+ H H3 | 95.6 | 40.3 | mg/Kg | | 08/10/22 16:46 | 08/10/22 20:13 | 1 |
| >C28-C35 Range Hydrocarbons | <40.3 | U H H3 | 95.6 | 40.3 | mg/Kg | | 08/10/22 16:46 | 08/10/22 20:13 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <40.3 | U | 95.6 | 40.3 | mg/Kg | | | 08/18/22 16:48 | 1 |

## Client Sample ID: 22F4225-11
**Lab Sample ID: 860-30001-11**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 114 | | 70 - 130 | 08/10/22 16:46 | 08/10/22 20:13 | 1 |
| o-Terphenyl (Surr) | 108 | | 70 - 130 | 08/10/22 16:46 | 08/10/22 20:13 | 1 |

## Client Sample ID: 22F4225-12
**Lab Sample ID: 860-30001-12**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.6 | U H H3 | 101 | 42.6 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:36 | 1 |
| **>C12-C28 Range Hydrocarbons** | **251** | **H H3 B** | 101 | 42.6 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:36 | 1 |
| >C28-C35 Range Hydrocarbons | <42.6 | U H H3 | 101 | 42.6 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:36 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **251** | | 101 | 42.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 115 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 23:36 | 1 |
| o-Terphenyl (Surr) | 102 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 23:36 | 1 |

## Client Sample ID: 22F4225-13
**Lab Sample ID: 860-30001-13**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.5 | U H H3 | 101 | 42.5 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:56 | 1 |
| >C12-C28 Range Hydrocarbons | <42.5 | U H H3 | 101 | 42.5 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:56 | 1 |
| >C28-C35 Range Hydrocarbons | <42.5 | U H H3 | 101 | 42.5 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:56 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <42.5 | U | 101 | 42.5 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 100 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 23:56 | 1 |
| o-Terphenyl (Surr) | 97 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 23:56 | 1 |

## Client Sample ID: 22F4225-14
**Lab Sample ID: 860-30001-14**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/05/22 12:41 | 08/06/22 00:16 | 1 |
| >C12-C28 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/05/22 12:41 | 08/06/22 00:16 | 1 |
| >C28-C35 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/05/22 12:41 | 08/06/22 00:16 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.5 | U | 98.4 | 41.5 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 107 | | 70 - 130 | 08/05/22 12:41 | 08/06/22 00:16 | 1 |
| o-Terphenyl (Surr) | 110 | | 70 - 130 | 08/05/22 12:41 | 08/06/22 00:16 | 1 |

## Client Sample ID: 22F4225-15
**Lab Sample ID: 860-30001-15**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 08/05/22 12:41 | 08/06/22 00:36 | 1 |
| **>C12-C28 Range Hydrocarbons** | **165** | **H H3 B** | 97.7 | 41.2 | mg/Kg | | 08/05/22 12:41 | 08/06/22 00:36 | 1 |
| >C28-C35 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 08/05/22 12:41 | 08/06/22 00:36 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **165** | | 97.7 | 41.2 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *109* | | *70 - 130* | *08/05/22 12:41* | *08/06/22 00:36* | *1* |
| *o-Terphenyl (Surr)* | *99* | | *70 - 130* | *08/05/22 12:41* | *08/06/22 00:36* | *1* |

## Client Sample ID: 22F4225-16
**Lab Sample ID: 860-30001-16**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.6 | U H H3 | 101 | 42.6 | mg/Kg | | 08/11/22 15:03 | 08/11/22 19:09 | 1 |
| **>C12-C28 Range Hydrocarbons** | **198** | **H H3** | 101 | 42.6 | mg/Kg | | 08/11/22 15:03 | 08/11/22 19:09 | 1 |
| >C28-C35 Range Hydrocarbons | <42.6 | U H H3 | 101 | 42.6 | mg/Kg | | 08/11/22 15:03 | 08/11/22 19:09 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **198** | | 101 | 42.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *86* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 19:09* | *1* |
| *o-Terphenyl (Surr)* | *91* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 19:09* | *1* |

## Client Sample ID: 22F4225-17
**Lab Sample ID: 860-30001-17**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 08/05/22 12:41 | 08/06/22 00:55 | 1 |
| **>C12-C28 Range Hydrocarbons** | **200** | **H H3 B** | 98.0 | 41.4 | mg/Kg | | 08/05/22 12:41 | 08/06/22 00:55 | 1 |
| >C28-C35 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 08/05/22 12:41 | 08/06/22 00:55 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **200** | | 98.0 | 41.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *134* | *S1+* | *70 - 130* | *08/05/22 12:41* | *08/06/22 00:55* | *1* |
| *o-Terphenyl (Surr)* | *120* | | *70 - 130* | *08/05/22 12:41* | *08/06/22 00:55* | *1* |

## Client Sample ID: 22F4225-18
**Lab Sample ID: 860-30001-18**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:38 | 1 |
| **>C12-C28 Range Hydrocarbons** | **108** | **H H3 B** | 100 | 42.4 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:38 | 1 |
| >C28-C35 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:38 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **108** | | 100 | 42.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-18
**Lab Sample ID: 860-30001-18**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 81 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 22:38 | 1 |
| o-Terphenyl (Surr) | 83 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 22:38 | 1 |

## Client Sample ID: 22F4225-19
**Lab Sample ID: 860-30001-19**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:58 | 1 |
| **>C12-C28 Range Hydrocarbons** | **86.9** | **J H H3 B** | 96.2 | 40.6 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:58 | 1 |
| >C28-C35 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 08/05/22 12:41 | 08/05/22 22:58 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **86.9** | **J** | 96.2 | 40.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 87 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 22:58 | 1 |
| o-Terphenyl (Surr) | 90 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 22:58 | 1 |

## Client Sample ID: 22F4225-20
**Lab Sample ID: 860-30001-20**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:17 | 1 |
| **>C12-C28 Range Hydrocarbons** | **257** | **H H3 B** | 97.7 | 41.2 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:17 | 1 |
| >C28-C35 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:17 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **257** | | 97.7 | 41.2 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 118 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 23:17 | 1 |
| o-Terphenyl (Surr) | 117 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 23:17 | 1 |

## Client Sample ID: 22F4225-21
**Lab Sample ID: 860-30001-21**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.1 | U H H3 | 95.1 | 40.1 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:36 | 1 |
| **>C12-C28 Range Hydrocarbons** | **124** | **H H3 B** | 95.1 | 40.1 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:36 | 1 |
| >C28-C35 Range Hydrocarbons | <40.1 | U H H3 | 95.1 | 40.1 | mg/Kg | | 08/05/22 12:41 | 08/05/22 23:36 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **124** | | 95.1 | 40.1 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 87 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 23:36 | 1 |
| o-Terphenyl (Surr) | 87 | | 70 - 130 | 08/05/22 12:41 | 08/05/22 23:36 | 1 |

## Client Sample ID: 22F4225-22
**Lab Sample ID: 860-30001-22**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.5 | U H H3 | 101 | 42.5 | mg/Kg | | 08/05/22 12:48 | 08/05/22 23:55 | 1 |
| **>C12-C28 Range Hydrocarbons** | **111** | **H H3 B** | 101 | 42.5 | mg/Kg | | 08/05/22 12:48 | 08/05/22 23:55 | 1 |
| >C28-C35 Range Hydrocarbons | <42.5 | U H H3 | 101 | 42.5 | mg/Kg | | 08/05/22 12:48 | 08/05/22 23:55 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **111** | | 101 | 42.5 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *93* | | *70 - 130* | *08/05/22 12:48* | *08/05/22 23:55* | *1* |
| *o-Terphenyl (Surr)* | *95* | | *70 - 130* | *08/05/22 12:48* | *08/05/22 23:55* | *1* |

## Client Sample ID: 22F4225-23
**Lab Sample ID: 860-30001-23**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.2 | U H H3 | 92.9 | 39.2 | mg/Kg | | 08/10/22 16:46 | 08/10/22 21:13 | 1 |
| >C12-C28 Range Hydrocarbons | <39.2 | U *+ H H3 | 92.9 | 39.2 | mg/Kg | | 08/10/22 16:46 | 08/10/22 21:13 | 1 |
| >C28-C35 Range Hydrocarbons | <39.2 | U H H3 | 92.9 | 39.2 | mg/Kg | | 08/10/22 16:46 | 08/10/22 21:13 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <39.2 | U | 92.9 | 39.2 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *107* | | *70 - 130* | *08/10/22 16:46* | *08/10/22 21:13* | *1* |
| *o-Terphenyl (Surr)* | *99* | | *70 - 130* | *08/10/22 16:46* | *08/10/22 21:13* | *1* |

## Client Sample ID: 22F4225-24
**Lab Sample ID: 860-30001-24**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <38.6 | U H H3 | 91.6 | 38.6 | mg/Kg | | 08/10/22 16:46 | 08/10/22 21:33 | 1 |
| >C12-C28 Range Hydrocarbons | <38.6 | U *+ H H3 | 91.6 | 38.6 | mg/Kg | | 08/10/22 16:46 | 08/10/22 21:33 | 1 |
| >C28-C35 Range Hydrocarbons | <38.6 | U H H3 | 91.6 | 38.6 | mg/Kg | | 08/10/22 16:46 | 08/10/22 21:33 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <38.6 | U | 91.6 | 38.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *113* | | *70 - 130* | *08/10/22 16:46* | *08/10/22 21:33* | *1* |
| *o-Terphenyl (Surr)* | *104* | | *70 - 130* | *08/10/22 16:46* | *08/10/22 21:33* | *1* |

## Client Sample ID: 22F4225-25
**Lab Sample ID: 860-30001-25**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 95.4 | 40.3 | mg/Kg | | 08/10/22 16:46 | 08/10/22 21:53 | 1 |
| >C12-C28 Range Hydrocarbons | <40.3 | U H H3 *+ | 95.4 | 40.3 | mg/Kg | | 08/10/22 16:46 | 08/10/22 21:53 | 1 |
| >C28-C35 Range Hydrocarbons | <40.3 | U H H3 | 95.4 | 40.3 | mg/Kg | | 08/10/22 16:46 | 08/10/22 21:53 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <40.3 | U | 95.4 | 40.3 | mg/Kg | | | 08/18/22 16:48 | 1 |

## Client Sample ID: 22F4225-25
**Lab Sample ID: 860-30001-25**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 113 | | 70 - 130 | 08/10/22 16:46 | 08/10/22 21:53 | 1 |
| o-Terphenyl (Surr) | 110 | | 70 - 130 | 08/10/22 16:46 | 08/10/22 21:53 | 1 |

## Client Sample ID: 22F4225-26
**Lab Sample ID: 860-30001-26**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/10/22 16:46 | 08/10/22 22:13 | 1 |
| >C12-C28 Range Hydrocarbons | <42.4 | U *+ H H3 | 100 | 42.4 | mg/Kg | | 08/10/22 16:46 | 08/10/22 22:13 | 1 |
| >C28-C35 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/10/22 16:46 | 08/10/22 22:13 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <42.4 | U | 100 | 42.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 115 | | 70 - 130 | 08/10/22 16:46 | 08/10/22 22:13 | 1 |
| o-Terphenyl (Surr) | 110 | | 70 - 130 | 08/10/22 16:46 | 08/10/22 22:13 | 1 |

## Client Sample ID: 22F4225-27
**Lab Sample ID: 860-30001-27**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **C6-C12 Range Hydrocarbons** | **49.0** | **J H H3 B** | 100 | 42.4 | mg/Kg | | 08/10/22 16:46 | 08/10/22 22:52 | 1 |
| >C12-C28 Range Hydrocarbons | <42.4 | U *+ H H3 | 100 | 42.4 | mg/Kg | | 08/10/22 16:46 | 08/10/22 22:52 | 1 |
| >C28-C35 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/10/22 16:46 | 08/10/22 22:52 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **49.0** | **J** | 100 | 42.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 116 | | 70 - 130 | 08/10/22 16:46 | 08/10/22 22:52 | 1 |
| o-Terphenyl (Surr) | 113 | | 70 - 130 | 08/10/22 16:46 | 08/10/22 22:52 | 1 |

## Client Sample ID: 22F4225-28
**Lab Sample ID: 860-30001-28**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/10/22 16:46 | 08/10/22 23:12 | 1 |
| >C12-C28 Range Hydrocarbons | <41.5 | U *+ H H3 | 98.4 | 41.5 | mg/Kg | | 08/10/22 16:46 | 08/10/22 23:12 | 1 |
| >C28-C35 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 08/10/22 16:46 | 08/10/22 23:12 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.5 | U | 98.4 | 41.5 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 121 | | 70 - 130 | 08/10/22 16:46 | 08/10/22 23:12 | 1 |
| o-Terphenyl (Surr) | 118 | | 70 - 130 | 08/10/22 16:46 | 08/10/22 23:12 | 1 |

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-29
**Lab Sample ID: 860-30001-29**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.0 | U H H3 | 97.1 | 41.0 | mg/Kg | | 08/10/22 16:46 | 08/10/22 23:32 | 1 |
| >C12-C28 Range Hydrocarbons | <41.0 | U *+ H H3 | 97.1 | 41.0 | mg/Kg | | 08/10/22 16:46 | 08/10/22 23:32 | 1 |
| >C28-C35 Range Hydrocarbons | <41.0 | U H H3 | 97.1 | 41.0 | mg/Kg | | 08/10/22 16:46 | 08/10/22 23:32 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.0 | U | 97.1 | 41.0 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *118* | | *70 - 130* | *08/10/22 16:46* | *08/10/22 23:32* | *1* |
| *o-Terphenyl (Surr)* | *112* | | *70 - 130* | *08/10/22 16:46* | *08/10/22 23:32* | *1* |

## Client Sample ID: 22F4225-30
**Lab Sample ID: 860-30001-30**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 08/10/22 16:46 | 08/10/22 23:51 | 1 |
| >C12-C28 Range Hydrocarbons | <41.4 | U *+ H H3 | 98.0 | 41.4 | mg/Kg | | 08/10/22 16:46 | 08/10/22 23:51 | 1 |
| >C28-C35 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 08/10/22 16:46 | 08/10/22 23:51 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.4 | U | 98.0 | 41.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *119* | | *70 - 130* | *08/10/22 16:46* | *08/10/22 23:51* | *1* |
| *o-Terphenyl (Surr)* | *120* | | *70 - 130* | *08/10/22 16:46* | *08/10/22 23:51* | *1* |

## Client Sample ID: 22F4225-31
**Lab Sample ID: 860-30001-31**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 08/10/22 16:46 | 08/11/22 00:11 | 1 |
| >C12-C28 Range Hydrocarbons | <42.2 | U *+ H H3 | 100 | 42.2 | mg/Kg | | 08/10/22 16:46 | 08/11/22 00:11 | 1 |
| >C28-C35 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 08/10/22 16:46 | 08/11/22 00:11 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <42.2 | U | 100 | 42.2 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *115* | | *70 - 130* | *08/10/22 16:46* | *08/11/22 00:11* | *1* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* | *08/10/22 16:46* | *08/11/22 00:11* | *1* |

## Client Sample ID: 22F4225-32
**Lab Sample ID: 860-30001-32**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 08/10/22 16:46 | 08/11/22 00:30 | 1 |
| >C12-C28 Range Hydrocarbons | <42.2 | U *+ H H3 | 100 | 42.2 | mg/Kg | | 08/10/22 16:46 | 08/11/22 00:30 | 1 |
| >C28-C35 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 08/10/22 16:46 | 08/11/22 00:30 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <42.2 | U | 100 | 42.2 | mg/Kg | | | 08/18/22 16:48 | 1 |

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-32
**Lab Sample ID: 860-30001-32**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 119 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 00:30 | 1 |
| o-Terphenyl (Surr) | 119 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 00:30 | 1 |

## Client Sample ID: 22F4225-33
**Lab Sample ID: 860-30001-33**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.0 | U H H3 | 97.1 | 41.0 | mg/Kg | | 08/10/22 16:46 | 08/11/22 00:50 | 1 |
| >C12-C28 Range Hydrocarbons | <41.0 | U *+ H H3 | 97.1 | 41.0 | mg/Kg | | 08/10/22 16:46 | 08/11/22 00:50 | 1 |
| >C28-C35 Range Hydrocarbons | <41.0 | U H H3 | 97.1 | 41.0 | mg/Kg | | 08/10/22 16:46 | 08/11/22 00:50 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.0 | U | 97.1 | 41.0 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 118 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 00:50 | 1 |
| o-Terphenyl (Surr) | 115 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 00:50 | 1 |

## Client Sample ID: 22F4225-34
**Lab Sample ID: 860-30001-34**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.6 | U H H3 | 101 | 42.6 | mg/Kg | | 08/10/22 16:46 | 08/11/22 01:09 | 1 |
| >C12-C28 Range Hydrocarbons | <42.6 | U *+ H H3 | 101 | 42.6 | mg/Kg | | 08/10/22 16:46 | 08/11/22 01:09 | 1 |
| >C28-C35 Range Hydrocarbons | <42.6 | U H H3 | 101 | 42.6 | mg/Kg | | 08/10/22 16:46 | 08/11/22 01:09 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <42.6 | U | 101 | 42.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 117 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 01:09 | 1 |
| o-Terphenyl (Surr) | 110 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 01:09 | 1 |

## Client Sample ID: 22F4225-35
**Lab Sample ID: 860-30001-35**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.9 | U H H3 | 99.2 | 41.9 | mg/Kg | | 08/10/22 16:46 | 08/11/22 01:29 | 1 |
| >C12-C28 Range Hydrocarbons | <41.9 | U *+ H H3 | 99.2 | 41.9 | mg/Kg | | 08/10/22 16:46 | 08/11/22 01:29 | 1 |
| >C28-C35 Range Hydrocarbons | <41.9 | U H H3 | 99.2 | 41.9 | mg/Kg | | 08/10/22 16:46 | 08/11/22 01:29 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.9 | U | 99.2 | 41.9 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 126 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 01:29 | 1 |
| o-Terphenyl (Surr) | 128 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 01:29 | 1 |

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-36
**Lab Sample ID: 860-30001-36**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.5 | U H H3 | 101 | 42.5 | mg/Kg | | 08/10/22 16:46 | 08/11/22 01:48 | 1 |
| >C12-C28 Range Hydrocarbons | <42.5 | U *+ H H3 | 101 | 42.5 | mg/Kg | | 08/10/22 16:46 | 08/11/22 01:48 | 1 |
| >C28-C35 Range Hydrocarbons | <42.5 | U H H3 | 101 | 42.5 | mg/Kg | | 08/10/22 16:46 | 08/11/22 01:48 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <42.5 | U | 101 | 42.5 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *120* | | *70 - 130* | *08/10/22 16:46* | *08/11/22 01:48* | *1* |
| *o-Terphenyl (Surr)* | *116* | | *70 - 130* | *08/10/22 16:46* | *08/11/22 01:48* | *1* |

## Client Sample ID: 22F4225-37
**Lab Sample ID: 860-30001-37**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **C6-C12 Range Hydrocarbons** | **43.3** | **J H H3 B** | 94.0 | 39.7 | mg/Kg | | 08/10/22 16:46 | 08/11/22 02:27 | 1 |
| >C12-C28 Range Hydrocarbons | <39.7 | U *+ H H3 | 94.0 | 39.7 | mg/Kg | | 08/10/22 16:46 | 08/11/22 02:27 | 1 |
| >C28-C35 Range Hydrocarbons | <39.7 | U H H3 | 94.0 | 39.7 | mg/Kg | | 08/10/22 16:46 | 08/11/22 02:27 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **43.3** | **J** | 94.0 | 39.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *121* | | *70 - 130* | *08/10/22 16:46* | *08/11/22 02:27* | *1* |
| *o-Terphenyl (Surr)* | *121* | | *70 - 130* | *08/10/22 16:46* | *08/11/22 02:27* | *1* |

## Client Sample ID: 22F4225-38
**Lab Sample ID: 860-30001-38**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.7 | U H H3 | 96.3 | 40.7 | mg/Kg | | 08/10/22 16:46 | 08/11/22 02:47 | 1 |
| >C12-C28 Range Hydrocarbons | <40.7 | U *+ H H3 | 96.3 | 40.7 | mg/Kg | | 08/10/22 16:46 | 08/11/22 02:47 | 1 |
| >C28-C35 Range Hydrocarbons | <40.7 | U H H3 | 96.3 | 40.7 | mg/Kg | | 08/10/22 16:46 | 08/11/22 02:47 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <40.7 | U | 96.3 | 40.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *122* | | *70 - 130* | *08/10/22 16:46* | *08/11/22 02:47* | *1* |
| *o-Terphenyl (Surr)* | *122* | | *70 - 130* | *08/10/22 16:46* | *08/11/22 02:47* | *1* |

## Client Sample ID: 22F4225-39
**Lab Sample ID: 860-30001-39**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.3 | U H H3 | 97.8 | 41.3 | mg/Kg | | 08/10/22 16:46 | 08/11/22 03:06 | 1 |
| >C12-C28 Range Hydrocarbons | <41.3 | U *+ H H3 | 97.8 | 41.3 | mg/Kg | | 08/10/22 16:46 | 08/11/22 03:06 | 1 |
| >C28-C35 Range Hydrocarbons | <41.3 | U H H3 | 97.8 | 41.3 | mg/Kg | | 08/10/22 16:46 | 08/11/22 03:06 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.3 | U | 97.8 | 41.3 | mg/Kg | | | 08/18/22 16:48 | 1 |

## Client Sample ID: 22F4225-39
**Lab Sample ID: 860-30001-39**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 121 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 03:06 | 1 |
| o-Terphenyl (Surr) | 119 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 03:06 | 1 |

## Client Sample ID: 22F4225-40
**Lab Sample ID: 860-30001-40**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/10/22 16:46 | 08/11/22 03:26 | 1 |
| >C12-C28 Range Hydrocarbons | <41.9 | U *+ H H3 | 99.4 | 41.9 | mg/Kg | | 08/10/22 16:46 | 08/11/22 03:26 | 1 |
| >C28-C35 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/10/22 16:46 | 08/11/22 03:26 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.9 | U | 99.4 | 41.9 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 113 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 03:26 | 1 |
| o-Terphenyl (Surr) | 104 | | 70 - 130 | 08/10/22 16:46 | 08/11/22 03:26 | 1 |

## Client Sample ID: 22F4225-41
**Lab Sample ID: 860-30001-41**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 08/10/22 16:47 | 08/11/22 03:45 | 1 |
| >C12-C28 Range Hydrocarbons | <41.7 | U *+ H H3 | 98.8 | 41.7 | mg/Kg | | 08/10/22 16:47 | 08/11/22 03:45 | 1 |
| >C28-C35 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 08/10/22 16:47 | 08/11/22 03:45 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.7 | U | 98.8 | 41.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 108 | | 70 - 130 | 08/10/22 16:47 | 08/11/22 03:45 | 1 |
| o-Terphenyl (Surr) | 99 | | 70 - 130 | 08/10/22 16:47 | 08/11/22 03:45 | 1 |

## Client Sample ID: 22F4225-42
**Lab Sample ID: 860-30001-42**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.1 | U H H3 | 99.8 | 42.1 | mg/Kg | | 08/11/22 15:03 | 08/11/22 20:09 | 1 |
| >C12-C28 Range Hydrocarbons | <42.1 | U H H3 | 99.8 | 42.1 | mg/Kg | | 08/11/22 15:03 | 08/11/22 20:09 | 1 |
| >C28-C35 Range Hydrocarbons | <42.1 | U H H3 | 99.8 | 42.1 | mg/Kg | | 08/11/22 15:03 | 08/11/22 20:09 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <42.1 | U | 99.8 | 42.1 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 85 | | 70 - 130 | 08/11/22 15:03 | 08/11/22 20:09 | 1 |
| o-Terphenyl (Surr) | 105 | | 70 - 130 | 08/11/22 15:03 | 08/11/22 20:09 | 1 |

## Client Sample ID: 22F4225-43
**Lab Sample ID: 860-30001-43**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.5 | U H H3 | 93.6 | 39.5 | mg/Kg | | 08/11/22 15:03 | 08/11/22 20:28 | 1 |
| >C12-C28 Range Hydrocarbons | <39.5 | U H H3 | 93.6 | 39.5 | mg/Kg | | 08/11/22 15:03 | 08/11/22 20:28 | 1 |
| >C28-C35 Range Hydrocarbons | <39.5 | U H H3 | 93.6 | 39.5 | mg/Kg | | 08/11/22 15:03 | 08/11/22 20:28 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <39.5 | U | 93.6 | 39.5 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *96* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 20:28* | *1* |
| *o-Terphenyl (Surr)* | *119* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 20:28* | *1* |

## Client Sample ID: 22F4225-44
**Lab Sample ID: 860-30001-44**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.7 | U H H3 | 96.3 | 40.7 | mg/Kg | | 08/11/22 15:03 | 08/11/22 20:48 | 1 |
| **>C12-C28 Range Hydrocarbons** | **71.2** | **J H H3** | 96.3 | 40.7 | mg/Kg | | 08/11/22 15:03 | 08/11/22 20:48 | 1 |
| >C28-C35 Range Hydrocarbons | <40.7 | U H H3 | 96.3 | 40.7 | mg/Kg | | 08/11/22 15:03 | 08/11/22 20:48 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **71.2** | **J** | 96.3 | 40.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *96* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 20:48* | *1* |
| *o-Terphenyl (Surr)* | *116* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 20:48* | *1* |

## Client Sample ID: 22F4225-45
**Lab Sample ID: 860-30001-45**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.8 | U H H3 | 101 | 42.8 | mg/Kg | | 08/11/22 15:03 | 08/11/22 21:08 | 1 |
| >C12-C28 Range Hydrocarbons | <42.8 | U H H3 | 101 | 42.8 | mg/Kg | | 08/11/22 15:03 | 08/11/22 21:08 | 1 |
| >C28-C35 Range Hydrocarbons | <42.8 | U H H3 | 101 | 42.8 | mg/Kg | | 08/11/22 15:03 | 08/11/22 21:08 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <42.8 | U | 101 | 42.8 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *90* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 21:08* | *1* |
| *o-Terphenyl (Surr)* | *111* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 21:08* | *1* |

## Client Sample ID: 22F4225-46
**Lab Sample ID: 860-30001-46**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.5 | U H H3 | 98.2 | 41.5 | mg/Kg | | 08/11/22 15:03 | 08/11/22 21:47 | 1 |
| >C12-C28 Range Hydrocarbons | <41.5 | U H H3 | 98.2 | 41.5 | mg/Kg | | 08/11/22 15:03 | 08/11/22 21:47 | 1 |
| >C28-C35 Range Hydrocarbons | <41.5 | U H H3 | 98.2 | 41.5 | mg/Kg | | 08/11/22 15:03 | 08/11/22 21:47 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.5 | U | 98.2 | 41.5 | mg/Kg | | | 08/18/22 16:48 | 1 |

## Client Sample ID: 22F4225-46
**Lab Sample ID: 860-30001-46**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *97* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 21:47* | *1* |
| *o-Terphenyl (Surr)* | *118* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 21:47* | *1* |

## Client Sample ID: 22F4225-47
**Lab Sample ID: 860-30001-47**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.1 | U H H3 | 97.5 | 41.1 | mg/Kg | | 08/11/22 15:03 | 08/11/22 22:07 | 1 |
| >C12-C28 Range Hydrocarbons | <41.1 | U H H3 | 97.5 | 41.1 | mg/Kg | | 08/11/22 15:03 | 08/11/22 22:07 | 1 |
| >C28-C35 Range Hydrocarbons | <41.1 | U H H3 | 97.5 | 41.1 | mg/Kg | | 08/11/22 15:03 | 08/11/22 22:07 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.1 | U | 97.5 | 41.1 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *95* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 22:07* | *1* |
| *o-Terphenyl (Surr)* | *117* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 22:07* | *1* |

## Client Sample ID: 22F4225-48
**Lab Sample ID: 860-30001-48**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 08/11/22 15:03 | 08/11/22 22:27 | 1 |
| >C12-C28 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 08/11/22 15:03 | 08/11/22 22:27 | 1 |
| >C28-C35 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 08/11/22 15:03 | 08/11/22 22:27 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.2 | U | 97.7 | 41.2 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *97* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 22:27* | *1* |
| *o-Terphenyl (Surr)* | *118* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 22:27* | *1* |

## Client Sample ID: 22F4225-49
**Lab Sample ID: 860-30001-49**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 08/11/22 15:03 | 08/11/22 22:46 | 1 |
| **>C12-C28 Range Hydrocarbons** | **55.0** | **J H H3** | 97.7 | 41.2 | mg/Kg | | 08/11/22 15:03 | 08/11/22 22:46 | 1 |
| >C28-C35 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 08/11/22 15:03 | 08/11/22 22:46 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **55.0** | **J** | 97.7 | 41.2 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *94* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 22:46* | *1* |
| *o-Terphenyl (Surr)* | *117* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 22:46* | *1* |

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-50
**Lab Sample ID: 860-30001-50**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.8 | U H H3 | 99.0 | 41.8 | mg/Kg | | 08/11/22 15:03 | 08/11/22 23:06 | 1 |
| **>C12-C28 Range Hydrocarbons** | **47.8** | **J H H3** | 99.0 | 41.8 | mg/Kg | | 08/11/22 15:03 | 08/11/22 23:06 | 1 |
| >C28-C35 Range Hydrocarbons | <41.8 | U H H3 | 99.0 | 41.8 | mg/Kg | | 08/11/22 15:03 | 08/11/22 23:06 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **47.8** | **J** | 99.0 | 41.8 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *90* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 23:06* | *1* |
| *o-Terphenyl (Surr)* | *115* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 23:06* | *1* |

## Client Sample ID: 22F4225-51
**Lab Sample ID: 860-30001-51**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 08/11/22 15:03 | 08/11/22 23:26 | 1 |
| >C12-C28 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 08/11/22 15:03 | 08/11/22 23:26 | 1 |
| >C28-C35 Range Hydrocarbons | <42.2 | U H H3 | 100 | 42.2 | mg/Kg | | 08/11/22 15:03 | 08/11/22 23:26 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <42.2 | U | 100 | 42.2 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *91* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 23:26* | *1* |
| *o-Terphenyl (Surr)* | *116* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 23:26* | *1* |

## Client Sample ID: 22F4225-52
**Lab Sample ID: 860-30001-52**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 08/11/22 15:03 | 08/11/22 23:45 | 1 |
| **>C12-C28 Range Hydrocarbons** | **54.4** | **J H H3** | 96.2 | 40.6 | mg/Kg | | 08/11/22 15:03 | 08/11/22 23:45 | 1 |
| >C28-C35 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 08/11/22 15:03 | 08/11/22 23:45 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **54.4** | **J** | 96.2 | 40.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *96* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 23:45* | *1* |
| *o-Terphenyl (Surr)* | *121* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 23:45* | *1* |

## Client Sample ID: 22F4225-53
**Lab Sample ID: 860-30001-53**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 08/11/22 15:03 | 08/12/22 00:05 | 1 |
| >C12-C28 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 08/11/22 15:03 | 08/12/22 00:05 | 1 |
| >C28-C35 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 08/11/22 15:03 | 08/12/22 00:05 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.7 | U | 98.8 | 41.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-53
**Lab Sample ID: 860-30001-53**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 89 | | 70 - 130 | 08/11/22 15:03 | 08/12/22 00:05 | 1 |
| o-Terphenyl (Surr) | 112 | | 70 - 130 | 08/11/22 15:03 | 08/12/22 00:05 | 1 |

## Client Sample ID: 22F4225-54
**Lab Sample ID: 860-30001-54**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.3 | U H H3 | 93.1 | 39.3 | mg/Kg | | 08/11/22 15:03 | 08/12/22 00:24 | 1 |
| >C12-C28 Range Hydrocarbons | <39.3 | U H H3 | 93.1 | 39.3 | mg/Kg | | 08/11/22 15:03 | 08/12/22 00:24 | 1 |
| >C28-C35 Range Hydrocarbons | <39.3 | U H H3 | 93.1 | 39.3 | mg/Kg | | 08/11/22 15:03 | 08/12/22 00:24 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <39.3 | U | 93.1 | 39.3 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 96 | | 70 - 130 | 08/11/22 15:03 | 08/12/22 00:24 | 1 |
| o-Terphenyl (Surr) | 121 | | 70 - 130 | 08/11/22 15:03 | 08/12/22 00:24 | 1 |

## Client Sample ID: 22F4225-55
**Lab Sample ID: 860-30001-55**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.9 | U H H3 | 94.5 | 39.9 | mg/Kg | | 08/11/22 15:03 | 08/12/22 00:44 | 1 |
| >C12-C28 Range Hydrocarbons | <39.9 | U H H3 | 94.5 | 39.9 | mg/Kg | | 08/11/22 15:03 | 08/12/22 00:44 | 1 |
| >C28-C35 Range Hydrocarbons | <39.9 | U H H3 | 94.5 | 39.9 | mg/Kg | | 08/11/22 15:03 | 08/12/22 00:44 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <39.9 | U | 94.5 | 39.9 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 94 | | 70 - 130 | 08/11/22 15:03 | 08/12/22 00:44 | 1 |
| o-Terphenyl (Surr) | 118 | | 70 - 130 | 08/11/22 15:03 | 08/12/22 00:44 | 1 |

## Client Sample ID: 22F4225-56
**Lab Sample ID: 860-30001-56**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.4 | U H H3 | 95.8 | 40.4 | mg/Kg | | 08/11/22 15:03 | 08/12/22 01:23 | 1 |
| >C12-C28 Range Hydrocarbons | <40.4 | U H H3 | 95.8 | 40.4 | mg/Kg | | 08/11/22 15:03 | 08/12/22 01:23 | 1 |
| >C28-C35 Range Hydrocarbons | <40.4 | U H H3 | 95.8 | 40.4 | mg/Kg | | 08/11/22 15:03 | 08/12/22 01:23 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <40.4 | U | 95.8 | 40.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 87 | | 70 - 130 | 08/11/22 15:03 | 08/12/22 01:23 | 1 |
| o-Terphenyl (Surr) | 110 | | 70 - 130 | 08/11/22 15:03 | 08/12/22 01:23 | 1 |

## Client Sample ID: 22F4225-57
**Lab Sample ID: 860-30001-57**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <38.6 | U H H3 | 91.6 | 38.6 | mg/Kg | | 08/11/22 15:03 | 08/12/22 01:42 | 1 |
| >C12-C28 Range Hydrocarbons | <38.6 | U H H3 | 91.6 | 38.6 | mg/Kg | | 08/11/22 15:03 | 08/12/22 01:42 | 1 |
| >C28-C35 Range Hydrocarbons | <38.6 | U H H3 | 91.6 | 38.6 | mg/Kg | | 08/11/22 15:03 | 08/12/22 01:42 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <38.6 | U | 91.6 | 38.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *89* | | *70 - 130* | *08/11/22 15:03* | *08/12/22 01:42* | *1* |
| *o-Terphenyl (Surr)* | *114* | | *70 - 130* | *08/11/22 15:03* | *08/12/22 01:42* | *1* |

## Client Sample ID: 22F4225-58
**Lab Sample ID: 860-30001-58**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <37.0 | U H H3 | 87.7 | 37.0 | mg/Kg | | 08/11/22 15:03 | 08/12/22 02:01 | 1 |
| **>C12-C28 Range Hydrocarbons** | **64.2** | **J H H3** | 87.7 | 37.0 | mg/Kg | | 08/11/22 15:03 | 08/12/22 02:01 | 1 |
| >C28-C35 Range Hydrocarbons | <37.0 | U H H3 | 87.7 | 37.0 | mg/Kg | | 08/11/22 15:03 | 08/12/22 02:01 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **64.2** | **J** | 87.7 | 37.0 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *95* | | *70 - 130* | *08/11/22 15:03* | *08/12/22 02:01* | *1* |
| *o-Terphenyl (Surr)* | *115* | | *70 - 130* | *08/11/22 15:03* | *08/12/22 02:01* | *1* |

## Client Sample ID: 22F4225-59
**Lab Sample ID: 860-30001-59**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.9 | U H H3 | 96.9 | 40.9 | mg/Kg | | 08/11/22 15:03 | 08/12/22 02:21 | 1 |
| **>C12-C28 Range Hydrocarbons** | **63.3** | **J H H3** | 96.9 | 40.9 | mg/Kg | | 08/11/22 15:03 | 08/12/22 02:21 | 1 |
| >C28-C35 Range Hydrocarbons | <40.9 | U H H3 | 96.9 | 40.9 | mg/Kg | | 08/11/22 15:03 | 08/12/22 02:21 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **63.3** | **J** | 96.9 | 40.9 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *92* | | *70 - 130* | *08/11/22 15:03* | *08/12/22 02:21* | *1* |
| *o-Terphenyl (Surr)* | *112* | | *70 - 130* | *08/11/22 15:03* | *08/12/22 02:21* | *1* |

## Client Sample ID: 22F4225-60
**Lab Sample ID: 860-30001-60**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.8 | U H H3 | 99.0 | 41.8 | mg/Kg | | 08/11/22 15:04 | 08/12/22 02:40 | 1 |
| **>C12-C28 Range Hydrocarbons** | **90.3** | **J H H3** | 99.0 | 41.8 | mg/Kg | | 08/11/22 15:04 | 08/12/22 02:40 | 1 |
| >C28-C35 Range Hydrocarbons | <41.8 | U H H3 | 99.0 | 41.8 | mg/Kg | | 08/11/22 15:04 | 08/12/22 02:40 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **90.3** | **J** | 99.0 | 41.8 | mg/Kg | | | 08/18/22 16:48 | 1 |

## Client Sample ID: 22F4225-60
**Lab Sample ID: 860-30001-60**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 87 | | 70 - 130 | 08/11/22 15:04 | 08/12/22 02:40 | 1 |
| o-Terphenyl (Surr) | 108 | | 70 - 130 | 08/11/22 15:04 | 08/12/22 02:40 | 1 |

## Client Sample ID: 22F4225-61
**Lab Sample ID: 860-30001-61**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:21 | 1 |
| **>C12-C28 Range Hydrocarbons** | **113** | **H H3** | 98.0 | 41.4 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:21 | 1 |
| >C28-C35 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:21 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **113** | | 98.0 | 41.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 85 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 04:21 | 1 |
| o-Terphenyl (Surr) | 89 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 04:21 | 1 |

## Client Sample ID: 22F4225-62
**Lab Sample ID: 860-30001-62**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:40 | 1 |
| **>C12-C28 Range Hydrocarbons** | **223** | **H H3** | 98.8 | 41.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:40 | 1 |
| >C28-C35 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:40 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **223** | | 98.8 | 41.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 82 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 04:40 | 1 |
| o-Terphenyl (Surr) | 84 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 04:40 | 1 |

## Client Sample ID: 22F4225-63
**Lab Sample ID: 860-30001-63**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 95.4 | 40.3 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:59 | 1 |
| **>C12-C28 Range Hydrocarbons** | **298** | **H H3** | 95.4 | 40.3 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:59 | 1 |
| >C28-C35 Range Hydrocarbons | <40.3 | U H H3 | 95.4 | 40.3 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:59 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **298** | | 95.4 | 40.3 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 90 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 04:59 | 1 |
| o-Terphenyl (Surr) | 91 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 04:59 | 1 |

## Client Sample ID: 22F4225-64
**Lab Sample ID: 860-30001-64**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.9 | U H H3 | 96.9 | 40.9 | mg/Kg | | 08/17/22 14:02 | 08/18/22 05:18 | 1 |
| >C12-C28 Range Hydrocarbons | <40.9 | U H H3 | 96.9 | 40.9 | mg/Kg | | 08/17/22 14:02 | 08/18/22 05:18 | 1 |
| >C28-C35 Range Hydrocarbons | <40.9 | U H H3 | 96.9 | 40.9 | mg/Kg | | 08/17/22 14:02 | 08/18/22 05:18 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <40.9 | U | 96.9 | 40.9 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *83* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 05:18* | *1* |
| *o-Terphenyl (Surr)* | *89* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 05:18* | *1* |

## Client Sample ID: 22F4225-65
**Lab Sample ID: 860-30001-65**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.3 | U H H3 | 93.1 | 39.3 | mg/Kg | | 08/17/22 14:02 | 08/18/22 05:57 | 1 |
| >C12-C28 Range Hydrocarbons | <39.3 | U H H3 | 93.1 | 39.3 | mg/Kg | | 08/17/22 14:02 | 08/18/22 05:57 | 1 |
| >C28-C35 Range Hydrocarbons | <39.3 | U H H3 | 93.1 | 39.3 | mg/Kg | | 08/17/22 14:02 | 08/18/22 05:57 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <39.3 | U | 93.1 | 39.3 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *88* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 05:57* | *1* |
| *o-Terphenyl (Surr)* | *94* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 05:57* | *1* |

## Client Sample ID: 22F4225-66
**Lab Sample ID: 860-30001-66**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.6 | U H H3 | 101 | 42.6 | mg/Kg | | 08/17/22 14:02 | 08/18/22 06:16 | 1 |
| **>C12-C28 Range Hydrocarbons** | **426** | **H H3** | 101 | 42.6 | mg/Kg | | 08/17/22 14:02 | 08/18/22 06:16 | 1 |
| >C28-C35 Range Hydrocarbons | <42.6 | U H H3 | 101 | 42.6 | mg/Kg | | 08/17/22 14:02 | 08/18/22 06:16 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **426** | | 101 | 42.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *88* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 06:16* | *1* |
| *o-Terphenyl (Surr)* | *89* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 06:16* | *1* |

## Client Sample ID: 22F4225-67
**Lab Sample ID: 860-30001-67**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <37.2 | U H H3 | 88.2 | 37.2 | mg/Kg | | 08/17/22 14:02 | 08/18/22 06:35 | 1 |
| **>C12-C28 Range Hydrocarbons** | **41.2** | **J H H3** | 88.2 | 37.2 | mg/Kg | | 08/17/22 14:02 | 08/18/22 06:35 | 1 |
| >C28-C35 Range Hydrocarbons | <37.2 | U H H3 | 88.2 | 37.2 | mg/Kg | | 08/17/22 14:02 | 08/18/22 06:35 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **41.2** | **J** | 88.2 | 37.2 | mg/Kg | | | 08/18/22 16:48 | 1 |

## Client Sample ID: 22F4225-67
**Lab Sample ID: 860-30001-67**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 82 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 06:35 | 1 |
| o-Terphenyl (Surr) | 87 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 06:35 | 1 |

## Client Sample ID: 22F4225-68
**Lab Sample ID: 860-30001-68**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <35.3 | U H H3 | 83.8 | 35.3 | mg/Kg | | 08/17/22 14:02 | 08/18/22 06:54 | 1 |
| **>C12-C28 Range Hydrocarbons** | **119** | **H H3** | 83.8 | 35.3 | mg/Kg | | 08/17/22 14:02 | 08/18/22 06:54 | 1 |
| >C28-C35 Range Hydrocarbons | <35.3 | U H H3 | 83.8 | 35.3 | mg/Kg | | 08/17/22 14:02 | 08/18/22 06:54 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **119** | | 83.8 | 35.3 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 89 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 06:54 | 1 |
| o-Terphenyl (Surr) | 93 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 06:54 | 1 |

## Client Sample ID: 22F4225-69
**Lab Sample ID: 860-30001-69**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.7 | U H H3 | 96.3 | 40.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 07:13 | 1 |
| **>C12-C28 Range Hydrocarbons** | **206** | **H H3** | 96.3 | 40.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 07:13 | 1 |
| >C28-C35 Range Hydrocarbons | <40.7 | U H H3 | 96.3 | 40.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 07:13 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **206** | | 96.3 | 40.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 87 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 07:13 | 1 |
| o-Terphenyl (Surr) | 90 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 07:13 | 1 |

## Client Sample ID: 22F4225-70
**Lab Sample ID: 860-30001-70**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/17/22 14:02 | 08/18/22 07:32 | 1 |
| **>C12-C28 Range Hydrocarbons** | **379** | **H H3** | 100 | 42.4 | mg/Kg | | 08/17/22 14:02 | 08/18/22 07:32 | 1 |
| >C28-C35 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/17/22 14:02 | 08/18/22 07:32 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **379** | | 100 | 42.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 82 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 07:32 | 1 |
| o-Terphenyl (Surr) | 85 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 07:32 | 1 |

## Client Sample ID: 22F4225-71
**Lab Sample ID: 860-30001-71**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <38.7 | U H H3 | 91.7 | 38.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 07:51 | 1 |
| **>C12-C28 Range Hydrocarbons** | **141** | **H H3** | 91.7 | 38.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 07:51 | 1 |
| >C28-C35 Range Hydrocarbons | <38.7 | U H H3 | 91.7 | 38.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 07:51 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **141** | | 91.7 | 38.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *81* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 07:51* | *1* |
| *o-Terphenyl (Surr)* | *85* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 07:51* | *1* |

## Client Sample ID: 22F4225-72
**Lab Sample ID: 860-30001-72**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.1 | U H H3 | 95.1 | 40.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 08:10 | 1 |
| **>C12-C28 Range Hydrocarbons** | **337** | **H H3** | 95.1 | 40.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 08:10 | 1 |
| >C28-C35 Range Hydrocarbons | <40.1 | U H H3 | 95.1 | 40.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 08:10 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **337** | | 95.1 | 40.1 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *88* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 08:10* | *1* |
| *o-Terphenyl (Surr)* | *89* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 08:10* | *1* |

## Client Sample ID: 22F4225-73
**Lab Sample ID: 860-30001-73**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <38.8 | U H H3 | 91.9 | 38.8 | mg/Kg | | 08/17/22 14:02 | 08/18/22 08:29 | 1 |
| **>C12-C28 Range Hydrocarbons** | **334** | **H H3** | 91.9 | 38.8 | mg/Kg | | 08/17/22 14:02 | 08/18/22 08:29 | 1 |
| **>C28-C35 Range Hydrocarbons** | **42.4** | **J H H3** | 91.9 | 38.8 | mg/Kg | | 08/17/22 14:02 | 08/18/22 08:29 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **376** | | 91.9 | 38.8 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *87* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 08:29* | *1* |
| *o-Terphenyl (Surr)* | *89* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 08:29* | *1* |

## Client Sample ID: 22F4225-74
**Lab Sample ID: 860-30001-74**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:24 | 1 |
| **>C12-C28 Range Hydrocarbons** | **65.5** | **J H H3** | 99.4 | 41.9 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:24 | 1 |
| >C28-C35 Range Hydrocarbons | <41.9 | U H H3 | 99.4 | 41.9 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:24 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **65.5** | **J** | 99.4 | 41.9 | mg/Kg | | | 08/18/22 16:48 | 1 |

## Client Sample ID: 22F4225-74
**Lab Sample ID: 860-30001-74**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 78 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 11:24 | 1 |
| o-Terphenyl (Surr) | 79 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 11:24 | 1 |

## Client Sample ID: 22F4225-75
**Lab Sample ID: 860-30001-75**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.5 | U H H3 | 101 | 42.5 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:43 | 1 |
| **>C12-C28 Range Hydrocarbons** | **107** | **H H3** | 101 | 42.5 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:43 | 1 |
| >C28-C35 Range Hydrocarbons | <42.5 | U H H3 | 101 | 42.5 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:43 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **107** | | 101 | 42.5 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 83 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 11:43 | 1 |
| o-Terphenyl (Surr) | 83 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 11:43 | 1 |

## Client Sample ID: 22F4225-76
**Lab Sample ID: 860-30001-76**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.9 | U H H3 | 94.5 | 39.9 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:24 | 1 |
| **>C12-C28 Range Hydrocarbons** | **42.3** | **J H H3** | 94.5 | 39.9 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:24 | 1 |
| >C28-C35 Range Hydrocarbons | <39.9 | U H H3 | 94.5 | 39.9 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:24 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **42.3** | **J** | 94.5 | 39.9 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 90 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 11:24 | 1 |
| o-Terphenyl (Surr) | 95 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 11:24 | 1 |

## Client Sample ID: 22F4225-77
**Lab Sample ID: 860-30001-77**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:43 | 1 |
| **>C12-C28 Range Hydrocarbons** | **40.6** | **J H H3** | 96.2 | 40.6 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:43 | 1 |
| >C28-C35 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:43 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **40.6** | **J** | 96.2 | 40.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 80 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 11:43 | 1 |
| o-Terphenyl (Surr) | 85 | | 70 - 130 | 08/17/22 14:02 | 08/18/22 11:43 | 1 |

## Client Sample ID: 22F4225-78
**Lab Sample ID: 860-30001-78**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.1 | U H H3 | 92.6 | 39.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 12:09 | 1 |
| **>C12-C28 Range Hydrocarbons** | **109** | **H H3** | 92.6 | 39.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 12:09 | 1 |
| >C28-C35 Range Hydrocarbons | <39.1 | U H H3 | 92.6 | 39.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 12:09 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **109** | | 92.6 | 39.1 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *89* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 12:09* | *1* |
| *o-Terphenyl (Surr)* | *83* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 12:09* | *1* |

## Client Sample ID: 22F4225-79
**Lab Sample ID: 860-30001-79**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.7 | U H H3 | 94.2 | 39.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 10:45 | 1 |
| **>C12-C28 Range Hydrocarbons** | **181** | **H H3** | 94.2 | 39.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 10:45 | 1 |
| >C28-C35 Range Hydrocarbons | <39.7 | U H H3 | 94.2 | 39.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 10:45 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **181** | | 94.2 | 39.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *86* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 10:45* | *1* |
| *o-Terphenyl (Surr)* | *89* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 10:45* | *1* |

## Client Sample ID: 22F4225-80
**Lab Sample ID: 860-30001-80**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <35.7 | U H H3 | 84.6 | 35.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:04 | 1 |
| **>C12-C28 Range Hydrocarbons** | **210** | **H H3** | 84.6 | 35.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:04 | 1 |
| **>C28-C35 Range Hydrocarbons** | **55.7** | **J H H3** | 84.6 | 35.7 | mg/Kg | | 08/17/22 14:02 | 08/18/22 11:04 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **266** | | 84.6 | 35.7 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *80* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 11:04* | *1* |
| *o-Terphenyl (Surr)* | *83* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 11:04* | *1* |

## Client Sample ID: 22F4225-81
**Lab Sample ID: 860-30001-81**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/18/22 15:08 | 08/18/22 18:24 | 1 |
| **>C12-C28 Range Hydrocarbons** | **85.2** | **J H H3** | 100 | 42.4 | mg/Kg | | 08/18/22 15:08 | 08/18/22 18:24 | 1 |
| >C28-C35 Range Hydrocarbons | <42.4 | U H H3 | 100 | 42.4 | mg/Kg | | 08/18/22 15:08 | 08/18/22 18:24 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **85.2** | **J** | 100 | 42.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

## Client Sample ID: 22F4225-81
**Lab Sample ID: 860-30001-81**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 94 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 18:24 | 1 |
| o-Terphenyl (Surr) | 98 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 18:24 | 1 |

## Client Sample ID: 22F4225-82
**Lab Sample ID: 860-30001-82**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.6 | U H H3 | 96.2 | 40.6 | mg/Kg | | 08/18/22 15:08 | 08/18/22 18:44 | 1 |
| **>C12-C28 Range Hydrocarbons** | **213** | **H H3** | 96.2 | 40.6 | mg/Kg | | 08/18/22 15:08 | 08/18/22 18:44 | 1 |
| **>C28-C35 Range Hydrocarbons** | **41.0** | **J H H3** | 96.2 | 40.6 | mg/Kg | | 08/18/22 15:08 | 08/18/22 18:44 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **254** | | 96.2 | 40.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 84 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 18:44 | 1 |
| o-Terphenyl (Surr) | 89 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 18:44 | 1 |

## Client Sample ID: 22F4225-83
**Lab Sample ID: 860-30001-83**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.4 | U H H3 | 93.5 | 39.4 | mg/Kg | | 08/18/22 15:08 | 08/18/22 19:03 | 1 |
| **>C12-C28 Range Hydrocarbons** | **196** | **H H3** | 93.5 | 39.4 | mg/Kg | | 08/18/22 15:08 | 08/18/22 19:03 | 1 |
| >C28-C35 Range Hydrocarbons | <39.4 | U H H3 | 93.5 | 39.4 | mg/Kg | | 08/18/22 15:08 | 08/18/22 19:03 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **196** | | 93.5 | 39.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 91 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 19:03 | 1 |
| o-Terphenyl (Surr) | 95 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 19:03 | 1 |

## Client Sample ID: 22F4225-84
**Lab Sample ID: 860-30001-84**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 95.6 | 40.3 | mg/Kg | | 08/18/22 15:08 | 08/18/22 19:23 | 1 |
| **>C12-C28 Range Hydrocarbons** | **332** | **H H3** | 95.6 | 40.3 | mg/Kg | | 08/18/22 15:08 | 08/18/22 19:23 | 1 |
| >C28-C35 Range Hydrocarbons | <40.3 | U H H3 | 95.6 | 40.3 | mg/Kg | | 08/18/22 15:08 | 08/18/22 19:23 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **332** | | 95.6 | 40.3 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 87 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 19:23 | 1 |
| o-Terphenyl (Surr) | 76 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 19:23 | 1 |

## Client Sample ID: 22F4225-85
**Lab Sample ID: 860-30001-85**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <36.1 | U H H3 | 85.5 | 36.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 19:43 | 1 |
| **>C12-C28 Range Hydrocarbons** | **279** | **H H3** | 85.5 | 36.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 19:43 | 1 |
| >C28-C35 Range Hydrocarbons | <36.1 | U H H3 | 85.5 | 36.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 19:43 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **279** | | 85.5 | 36.1 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *85* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 19:43* | *1* |
| *o-Terphenyl (Surr)* | *91* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 19:43* | *1* |

## Client Sample ID: 22F4225-86
**Lab Sample ID: 860-30001-86**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <38.4 | U H H3 | 90.9 | 38.4 | mg/Kg | | 08/18/22 15:08 | 08/18/22 20:02 | 1 |
| **>C12-C28 Range Hydrocarbons** | **168** | **H H3** | 90.9 | 38.4 | mg/Kg | | 08/18/22 15:08 | 08/18/22 20:02 | 1 |
| >C28-C35 Range Hydrocarbons | <38.4 | U H H3 | 90.9 | 38.4 | mg/Kg | | 08/18/22 15:08 | 08/18/22 20:02 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **168** | | 90.9 | 38.4 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *86* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 20:02* | *1* |
| *o-Terphenyl (Surr)* | *91* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 20:02* | *1* |

## Client Sample ID: 22F4225-87
**Lab Sample ID: 860-30001-87**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <43.1 | U H H3 | 102 | 43.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 20:21 | 1 |
| **>C12-C28 Range Hydrocarbons** | **75.5** | **J H H3** | 102 | 43.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 20:21 | 1 |
| >C28-C35 Range Hydrocarbons | <43.1 | U H H3 | 102 | 43.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 20:21 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **75.5** | **J** | 102 | 43.1 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *86* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 20:21* | *1* |
| *o-Terphenyl (Surr)* | *92* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 20:21* | *1* |

## Client Sample ID: 22F4225-88
**Lab Sample ID: 860-30001-88**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.0 | U H H3 | 94.9 | 40.0 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:00 | 1 |
| **>C12-C28 Range Hydrocarbons** | **187** | **H H3** | 94.9 | 40.0 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:00 | 1 |
| >C28-C35 Range Hydrocarbons | <40.0 | U H H3 | 94.9 | 40.0 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:00 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **187** | | 94.9 | 40.0 | mg/Kg | | | 08/18/22 16:48 | 1 |

## Client Sample ID: 22F4225-88
**Lab Sample ID: 860-30001-88**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 88 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 21:00 | 1 |
| o-Terphenyl (Surr) | 92 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 21:00 | 1 |

## Client Sample ID: 22F4225-89
**Lab Sample ID: 860-30001-89**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 95.4 | 40.3 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:20 | 1 |
| **>C12-C28 Range Hydrocarbons** | **146** | **H H3** | 95.4 | 40.3 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:20 | 1 |
| >C28-C35 Range Hydrocarbons | <40.3 | U H H3 | 95.4 | 40.3 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:20 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **146** | | 95.4 | 40.3 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 91 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 21:20 | 1 |
| o-Terphenyl (Surr) | 96 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 21:20 | 1 |

## Client Sample ID: 22F4225-90
**Lab Sample ID: 860-30001-90**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:39 | 1 |
| **>C12-C28 Range Hydrocarbons** | **417** | **H H3** | 97.7 | 41.2 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:39 | 1 |
| >C28-C35 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:39 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **417** | | 97.7 | 41.2 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 86 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 21:39 | 1 |
| o-Terphenyl (Surr) | 74 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 21:39 | 1 |

## Client Sample ID: 22F4225-91
**Lab Sample ID: 860-30001-91**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.9 | U H H3 | 94.5 | 39.9 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:59 | 1 |
| **>C12-C28 Range Hydrocarbons** | **999** | **H H3** | 94.5 | 39.9 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:59 | 1 |
| **>C28-C35 Range Hydrocarbons** | **48.7** | **J H H3** | 94.5 | 39.9 | mg/Kg | | 08/18/22 15:08 | 08/18/22 21:59 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **187** | | 50.0 | 21.1 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane (Surr) | 80 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 21:59 | 1 |
| o-Terphenyl (Surr) | 74 | | 70 - 130 | 08/18/22 15:08 | 08/18/22 21:59 | 1 |

## Client Sample ID: 22F4225-92
**Lab Sample ID: 860-30001-92**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.6 | U H H3 | 93.8 | 39.6 | mg/Kg | | 08/18/22 15:08 | 08/18/22 22:18 | 1 |
| **>C12-C28 Range Hydrocarbons** | **658** | **H H3** | 93.8 | 39.6 | mg/Kg | | 08/18/22 15:08 | 08/18/22 22:18 | 1 |
| **>C28-C35 Range Hydrocarbons** | **52.2** | **J H H3** | 93.8 | 39.6 | mg/Kg | | 08/18/22 15:08 | 08/18/22 22:18 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **710** | | 93.8 | 39.6 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *88* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 22:18* | *1* |
| *o-Terphenyl (Surr)* | *72* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 22:18* | *1* |

## Client Sample ID: 22F4225-93
**Lab Sample ID: 860-30001-93**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <38.9 | U H H3 | 92.1 | 38.9 | mg/Kg | | 08/18/22 15:08 | 08/18/22 22:37 | 1 |
| **>C12-C28 Range Hydrocarbons** | **948** | **H H3** | 92.1 | 38.9 | mg/Kg | | 08/18/22 15:08 | 08/18/22 22:37 | 1 |
| **>C28-C35 Range Hydrocarbons** | **72.5** | **J H H3** | 92.1 | 38.9 | mg/Kg | | 08/18/22 15:08 | 08/18/22 22:37 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **1020** | | 92.1 | 38.9 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *87* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 22:37* | *1* |
| *o-Terphenyl (Surr)* | *74* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 22:37* | *1* |

## Client Sample ID: 22F4225-94
**Lab Sample ID: 860-30001-94**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.1 | U H H3 | 97.5 | 41.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 22:57 | 1 |
| **>C12-C28 Range Hydrocarbons** | **515** | **H H3** | 97.5 | 41.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 22:57 | 1 |
| **>C28-C35 Range Hydrocarbons** | **48.8** | **J H H3** | 97.5 | 41.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 22:57 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **564** | | 97.5 | 41.1 | mg/Kg | | | 08/18/22 16:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *87* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 22:57* | *1* |
| *o-Terphenyl (Surr)* | *88* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 22:57* | *1* |

## Client Sample ID: 22F4225-95
**Lab Sample ID: 860-30001-95**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <21.1 | U H H3 | 50.0 | 21.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 23:16 | 1 |
| **>C12-C28 Range Hydrocarbons** | **56.3** | **H H3** | 50.0 | 21.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 23:16 | 1 |
| >C28-C35 Range Hydrocarbons | <21.1 | U H H3 | 50.0 | 21.1 | mg/Kg | | 08/18/22 15:08 | 08/18/22 23:16 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **56.3** | | 50.0 | 21.1 | mg/Kg | | | 08/18/22 16:48 | 1 |

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-95
**Lab Sample ID: 860-30001-95**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *86* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 23:16* | *1* |
| *o-Terphenyl (Surr)* | *91* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 23:16* | *1* |

## Client Sample ID: 22F4225-96
**Lab Sample ID: 860-30001-96**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.9 | U H H3 | 99.2 | 41.9 | mg/Kg | | 08/18/22 15:08 | 08/18/22 23:35 | 1 |
| **>C12-C28 Range Hydrocarbons** | **424** | **H H3** | 99.2 | 41.9 | mg/Kg | | 08/18/22 15:08 | 08/18/22 23:35 | 1 |
| **>C28-C35 Range Hydrocarbons** | **42.6** | **J H H3** | 99.2 | 41.9 | mg/Kg | | 08/18/22 15:08 | 08/18/22 23:35 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **467** | | 99.2 | 41.9 | mg/Kg | | | 08/18/22 16:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *92* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 23:35* | *1* |
| *o-Terphenyl (Surr)* | *94* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 23:35* | *1* |

# Surrogate Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

**Matrix: Solid**
**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO (70-130) | OTPH (70-130) | | | | | | | | | | |
| 860-30001-1 | 22F4225-01 | 100 | 97 | | | | | | | | | | |
| 860-30001-2 | 22F4225-02 | 119 | 114 | | | | | | | | | | |
| 860-30001-3 | 22F4225-03 | 102 | 99 | | | | | | | | | | |
| 860-30001-4 | 22F4225-04 | 110 | 109 | | | | | | | | | | |
| 860-30001-5 | 22F4225-05 | 116 | 113 | | | | | | | | | | |
| 860-30001-6 | 22F4225-06 | 109 | 104 | | | | | | | | | | |
| 860-30001-7 | 22F4225-07 | 108 | 105 | | | | | | | | | | |
| 860-30001-8 | 22F4225-08 | 117 | 117 | | | | | | | | | | |
| 860-30001-9 | 22F4225-09 | 105 | 107 | | | | | | | | | | |
| 860-30001-9 MS | 22F4225-09 | 111 | 114 | | | | | | | | | | |
| 860-30001-9 MSD | 22F4225-09 | 105 | 119 | | | | | | | | | | |
| 860-30001-10 | 22F4225-10 | 100 | 96 | | | | | | | | | | |
| 860-30001-11 | 22F4225-11 | 114 | 108 | | | | | | | | | | |
| 860-30001-11 MS | 22F4225-11 | 101 | 108 | | | | | | | | | | |
| 860-30001-11 MSD | 22F4225-11 | 113 | 110 | | | | | | | | | | |
| 860-30001-12 | 22F4225-12 | 115 | 102 | | | | | | | | | | |
| 860-30001-13 | 22F4225-13 | 100 | 97 | | | | | | | | | | |
| 860-30001-14 | 22F4225-14 | 107 | 110 | | | | | | | | | | |
| 860-30001-15 | 22F4225-15 | 109 | 99 | | | | | | | | | | |
| 860-30001-16 | 22F4225-16 | 86 | 91 | | | | | | | | | | |
| 860-30001-16 MS | 22F4225-16 | 94 | 121 | | | | | | | | | | |
| 860-30001-16 MSD | 22F4225-16 | 93 | 116 | | | | | | | | | | |
| 860-30001-17 | 22F4225-17 | 134 S1+ | 120 | | | | | | | | | | |
| 860-30001-18 | 22F4225-18 | 81 | 83 | | | | | | | | | | |
| 860-30001-19 | 22F4225-19 | 87 | 90 | | | | | | | | | | |
| 860-30001-20 | 22F4225-20 | 118 | 117 | | | | | | | | | | |
| 860-30001-21 | 22F4225-21 | 87 | 87 | | | | | | | | | | |
| 860-30001-22 | 22F4225-22 | 93 | 95 | | | | | | | | | | |
| 860-30001-23 | 22F4225-23 | 107 | 99 | | | | | | | | | | |
| 860-30001-24 | 22F4225-24 | 113 | 104 | | | | | | | | | | |
| 860-30001-25 | 22F4225-25 | 113 | 110 | | | | | | | | | | |
| 860-30001-26 | 22F4225-26 | 115 | 110 | | | | | | | | | | |
| 860-30001-26 MS | 22F4225-26 | 93 | 117 | | | | | | | | | | |
| 860-30001-26 MSD | 22F4225-26 | 96 | 123 | | | | | | | | | | |
| 860-30001-27 | 22F4225-27 | 116 | 113 | | | | | | | | | | |
| 860-30001-28 | 22F4225-28 | 121 | 118 | | | | | | | | | | |
| 860-30001-29 | 22F4225-29 | 118 | 112 | | | | | | | | | | |
| 860-30001-30 | 22F4225-30 | 119 | 120 | | | | | | | | | | |
| 860-30001-31 | 22F4225-31 | 115 | 107 | | | | | | | | | | |
| 860-30001-32 | 22F4225-32 | 119 | 119 | | | | | | | | | | |
| 860-30001-33 | 22F4225-33 | 118 | 115 | | | | | | | | | | |
| 860-30001-33 MS | 22F4225-33 | 96 | 120 | | | | | | | | | | |
| 860-30001-33 MSD | 22F4225-33 | 97 | 122 | | | | | | | | | | |
| 860-30001-34 | 22F4225-34 | 117 | 110 | | | | | | | | | | |
| 860-30001-35 | 22F4225-35 | 126 | 128 | | | | | | | | | | |
| 860-30001-36 | 22F4225-36 | 120 | 116 | | | | | | | | | | |
| 860-30001-37 | 22F4225-37 | 121 | 121 | | | | | | | | | | |
| 860-30001-38 | 22F4225-38 | 122 | 122 | | | | | | | | | | |
| 860-30001-39 | 22F4225-39 | 121 | 119 | | | | | | | | | | |

# Surrogate Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Matrix: Solid**
**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample ID | Client Sample ID | 1CO (70-130) | OTPH (70-130) | | | | | | | | |
| 860-30001-40 | 22F4225-40 | 113 | 104 | | | | | | | | |
| 860-30001-41 | 22F4225-41 | 108 | 99 | | | | | | | | |
| 860-30001-42 | 22F4225-42 | 85 | 105 | | | | | | | | |
| 860-30001-43 | 22F4225-43 | 96 | 119 | | | | | | | | |
| 860-30001-44 | 22F4225-44 | 96 | 116 | | | | | | | | |
| 860-30001-45 | 22F4225-45 | 90 | 111 | | | | | | | | |
| 860-30001-46 | 22F4225-46 | 97 | 118 | | | | | | | | |
| 860-30001-47 | 22F4225-47 | 95 | 117 | | | | | | | | |
| 860-30001-48 | 22F4225-48 | 97 | 118 | | | | | | | | |
| 860-30001-49 | 22F4225-49 | 94 | 117 | | | | | | | | |
| 860-30001-50 | 22F4225-50 | 90 | 115 | | | | | | | | |
| 860-30001-51 | 22F4225-51 | 91 | 116 | | | | | | | | |
| 860-30001-52 | 22F4225-52 | 96 | 121 | | | | | | | | |
| 860-30001-53 | 22F4225-53 | 89 | 112 | | | | | | | | |
| 860-30001-54 | 22F4225-54 | 96 | 121 | | | | | | | | |
| 860-30001-55 | 22F4225-55 | 94 | 118 | | | | | | | | |
| 860-30001-56 | 22F4225-56 | 87 | 110 | | | | | | | | |
| 860-30001-57 | 22F4225-57 | 89 | 114 | | | | | | | | |
| 860-30001-58 | 22F4225-58 | 95 | 115 | | | | | | | | |
| 860-30001-59 | 22F4225-59 | 92 | 112 | | | | | | | | |
| 860-30001-60 | 22F4225-60 | 87 | 108 | | | | | | | | |
| 860-30001-61 | 22F4225-61 | 85 | 89 | | | | | | | | |
| 860-30001-62 | 22F4225-62 | 82 | 84 | | | | | | | | |
| 860-30001-63 | 22F4225-63 | 90 | 91 | | | | | | | | |
| 860-30001-64 | 22F4225-64 | 83 | 89 | | | | | | | | |
| 860-30001-65 | 22F4225-65 | 88 | 94 | | | | | | | | |
| 860-30001-66 | 22F4225-66 | 88 | 89 | | | | | | | | |
| 860-30001-67 | 22F4225-67 | 82 | 87 | | | | | | | | |
| 860-30001-68 | 22F4225-68 | 89 | 93 | | | | | | | | |
| 860-30001-69 | 22F4225-69 | 87 | 90 | | | | | | | | |
| 860-30001-70 | 22F4225-70 | 82 | 85 | | | | | | | | |
| 860-30001-71 | 22F4225-71 | 81 | 85 | | | | | | | | |
| 860-30001-72 | 22F4225-72 | 88 | 89 | | | | | | | | |
| 860-30001-73 | 22F4225-73 | 87 | 89 | | | | | | | | |
| 860-30001-74 | 22F4225-74 | 78 | 79 | | | | | | | | |
| 860-30001-75 | 22F4225-75 | 83 | 83 | | | | | | | | |
| 860-30001-76 | 22F4225-76 | 90 | 95 | | | | | | | | |
| 860-30001-77 | 22F4225-77 | 80 | 85 | | | | | | | | |
| 860-30001-78 | 22F4225-78 | 89 | 83 | | | | | | | | |
| 860-30001-79 | 22F4225-79 | 86 | 89 | | | | | | | | |
| 860-30001-80 | 22F4225-80 | 80 | 83 | | | | | | | | |
| 860-30001-81 | 22F4225-81 | 94 | 98 | | | | | | | | |
| 860-30001-82 | 22F4225-82 | 84 | 89 | | | | | | | | |
| 860-30001-83 | 22F4225-83 | 91 | 95 | | | | | | | | |
| 860-30001-84 | 22F4225-84 | 87 | 76 | | | | | | | | |
| 860-30001-85 | 22F4225-85 | 85 | 91 | | | | | | | | |
| 860-30001-86 | 22F4225-86 | 86 | 91 | | | | | | | | |
| 860-30001-87 | 22F4225-87 | 86 | 92 | | | | | | | | |
| 860-30001-88 | 22F4225-88 | 88 | 92 | | | | | | | | |
| 860-30001-89 | 22F4225-89 | 91 | 96 | | | | | | | | |

# Surrogate Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Matrix: Solid**
**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|---|---|---|---|
| | | 1CO | OTPH |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) |
| 860-30001-90 | 22F4225-90 | 86 | 74 |
| 860-30001-91 | 22F4225-91 | 80 | 74 |
| 860-30001-92 | 22F4225-92 | 88 | 72 |
| 860-30001-93 | 22F4225-93 | 87 | 74 |
| 860-30001-94 | 22F4225-94 | 87 | 88 |
| 860-30001-95 | 22F4225-95 | 86 | 91 |
| 860-30001-96 | 22F4225-96 | 92 | 94 |
| LCS 860-63798/2-A - RA2 | Lab Control Sample | 91 | 69 S1- |
| LCS 860-64426/2-A | Lab Control Sample | 102 | 108 |
| LCS 860-64601/2-A | Lab Control Sample | 99 | 81 |
| LCS 860-65434/2-A | Lab Control Sample | 103 | 84 |
| LCS 860-65625/2-A | Lab Control Sample | 104 | 87 |
| LCSD 860-63798/3-A - RA2 | Lab Control Sample Dup | 94 | 68 S1- |
| LCSD 860-64426/3-A | Lab Control Sample Dup | 109 | 115 |
| LCSD 860-64601/3-A | Lab Control Sample Dup | 99 | 81 |
| LCSD 860-65434/3-A | Lab Control Sample Dup | 99 | 80 |
| LCSD 860-65625/3-A | Lab Control Sample Dup | 107 | 87 |
| MB 860-63798/1-A | Method Blank | 103 | 99 |
| MB 860-64426/1-A | Method Blank | 102 | 96 |
| MB 860-64426/26-A | Method Blank | 113 | 104 |
| MB 860-64601/1-A | Method Blank | 90 | 112 |
| MB 860-64601/26-A | Method Blank | 88 | 112 |
| MB 860-65434/1-A | Method Blank | 91 | 95 |
| MB 860-65434/24-A | Method Blank | 98 | 101 |
| MB 860-65625/1-A | Method Blank | 91 | 96 |
| MB 860-65625/20-A | Method Blank | 88 | 94 |

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)
OTPH = o-Terphenyl (Surr)

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

**Lab Sample ID: MB 860-63798/1-A**
**Matrix: Solid**
**Analysis Batch: 63735**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 63798**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.8 | U | 101 | 42.8 | mg/Kg | | 08/05/22 12:41 | 08/05/22 18:20 | 1 |
| >C12-C28 Range Hydrocarbons | 45.99 | J | 101 | 42.8 | mg/Kg | | 08/05/22 12:41 | 08/05/22 18:20 | 1 |
| >C28-C35 Range Hydrocarbons | <42.8 | U | 101 | 42.8 | mg/Kg | | 08/05/22 12:41 | 08/05/22 18:20 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *103* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 18:20* | *1* |
| *o-Terphenyl (Surr)* | *99* | | *70 - 130* | *08/05/22 12:41* | *08/05/22 18:20* | *1* |

**Lab Sample ID: 860-30001-9 MS**
**Matrix: Solid**
**Analysis Batch: 63735**

**Client Sample ID: 22F4225-09**
**Prep Type: Total/NA**
**Prep Batch: 63798**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.7 | U H H3 | 1970 | 2328 | H H3 | mg/Kg | | 118 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | <40.7 | U H F1 H3 | 1970 | 2632 | H F1 H3 | mg/Kg | | 134 | 75 - 125 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *111* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *114* | | *70 - 130* |

**Lab Sample ID: 860-30001-9 MSD**
**Matrix: Solid**
**Analysis Batch: 63735**

**Client Sample ID: 22F4225-09**
**Prep Type: Total/NA**
**Prep Batch: 63798**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.7 | U H H3 | 1960 | 2308 | H H3 | mg/Kg | | 118 | 75 - 125 | 1 | 20 |
| >C12-C28 Range Hydrocarbons | <40.7 | U H F1 H3 | 1960 | 2772 | H H3 F1 | mg/Kg | | 141 | 75 - 125 | 5 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *105* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *119* | | *70 - 130* |

**Lab Sample ID: MB 860-64426/1-A**
**Matrix: Solid**
**Analysis Batch: 64359**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 64426**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.8 | U | 99.0 | 41.8 | mg/Kg | | 08/10/22 16:46 | 08/10/22 19:13 | 1 |
| >C12-C28 Range Hydrocarbons | <41.8 | U | 99.0 | 41.8 | mg/Kg | | 08/10/22 16:46 | 08/10/22 19:13 | 1 |
| >C28-C35 Range Hydrocarbons | <41.8 | U | 99.0 | 41.8 | mg/Kg | | 08/10/22 16:46 | 08/10/22 19:13 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *102* | | *70 - 130* | *08/10/22 16:46* | *08/10/22 19:13* | *1* |
| *o-Terphenyl (Surr)* | *96* | | *70 - 130* | *08/10/22 16:46* | *08/10/22 19:13* | *1* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: MB 860-64426/26-A**
**Matrix: Solid**
**Analysis Batch: 64359**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 64426**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | 21.21 | J | 50.0 | 21.1 | mg/Kg | | 08/10/22 16:47 | 08/11/22 04:05 | 1 |
| >C12-C28 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 08/10/22 16:47 | 08/11/22 04:05 | 1 |
| >C28-C35 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 08/10/22 16:47 | 08/11/22 04:05 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *113* | | *70 - 130* | *08/10/22 16:47* | *08/11/22 04:05* | *1* |
| *o-Terphenyl (Surr)* | *104* | | *70 - 130* | *08/10/22 16:47* | *08/11/22 04:05* | *1* |

**Lab Sample ID: LCS 860-64426/2-A**
**Matrix: Solid**
**Analysis Batch: 64359**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 64426**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1940 | 2057 | | mg/Kg | | 106 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | | | 1950 | 2278 | | mg/Kg | | 117 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *102* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *108* | | *70 - 130* |

**Lab Sample ID: LCSD 860-64426/3-A**
**Matrix: Solid**
**Analysis Batch: 64359**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 64426**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1890 | 2145 | | mg/Kg | | 113 | 75 - 125 | 4 | 20 |
| >C12-C28 Range Hydrocarbons | | | 1890 | 2407 | *+ | mg/Kg | | 127 | 75 - 125 | 6 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *109* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *115* | | *70 - 130* |

**Lab Sample ID: 860-30001-11 MS**
**Matrix: Solid**
**Analysis Batch: 64359**

**Client Sample ID: 22F4225-11**
**Prep Type: Total/NA**
**Prep Batch: 64426**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 2010 | 2228 | H H3 | mg/Kg | | 111 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | <40.3 | U *+ H H3 | 2010 | 2365 | H H3 | mg/Kg | | 118 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *101* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *108* | | *70 - 130* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: 860-30001-11 MSD**
**Matrix: Solid**
**Analysis Batch: 64359**

**Client Sample ID: 22F4225-11**
**Prep Type: Total/NA**
**Prep Batch: 64426**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 2000 | 2240 | H H3 | mg/Kg | | 112 | 75 - 125 | 1 | 20 |
| >C12-C28 Range Hydrocarbons | <40.3 | U *+ H H3 | 2000 | 2424 | H H3 | mg/Kg | | 121 | 75 - 125 | 2 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *113* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *110* | | *70 - 130* |

**Lab Sample ID: 860-30001-26 MS**
**Matrix: Solid**
**Analysis Batch: 64509**

**Client Sample ID: 22F4225-26**
**Prep Type: Total/NA**
**Prep Batch: 64426**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.4 | U H H3 | 1930 | 2016 | H H3 | mg/Kg | | 105 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | <42.4 | U *+ H H3 | 1930 | 2516 | H H3 F1 | mg/Kg | | 130 | 75 - 125 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *93* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *117* | | *70 - 130* |

**Lab Sample ID: 860-30001-26 MSD**
**Matrix: Solid**
**Analysis Batch: 64509**

**Client Sample ID: 22F4225-26**
**Prep Type: Total/NA**
**Prep Batch: 64426**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.4 | U H H3 | 1950 | 2072 | H H3 | mg/Kg | | 106 | 75 - 125 | 3 | 20 |
| >C12-C28 Range Hydrocarbons | <42.4 | U *+ H H3 | 1950 | 2519 | H H3 F1 | mg/Kg | | 129 | 75 - 125 | 0 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *96* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *123* | | *70 - 130* |

**Lab Sample ID: 860-30001-33 MS**
**Matrix: Solid**
**Analysis Batch: 64509**

**Client Sample ID: 22F4225-33**
**Prep Type: Total/NA**
**Prep Batch: 64426**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.0 | U H H3 | 1920 | 2032 | H H3 | mg/Kg | | 106 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | <41.0 | U *+ H H3 | 1920 | 2529 | H H3 F1 | mg/Kg | | 132 | 75 - 125 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *96* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *120* | | *70 - 130* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: 860-30001-33 MSD**
**Matrix: Solid**
**Analysis Batch: 64509**

**Client Sample ID: 22F4225-33**
**Prep Type: Total/NA**
**Prep Batch: 64426**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.0 | U H H3 | 2010 | 2096 | H H3 | mg/Kg | | 104 | 75 - 125 | 3 | 20 |
| >C12-C28 Range Hydrocarbons | <41.0 | U *+ H H3 | 2020 | 2594 | H H3 F1 | mg/Kg | | 129 | 75 - 125 | 3 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *97* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *122* | | *70 - 130* |

**Lab Sample ID: MB 860-64601/1-A**
**Matrix: Solid**
**Analysis Batch: 64509**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 64601**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.8 | U | 99.0 | 41.8 | mg/Kg | | 08/11/22 15:03 | 08/11/22 18:49 | 1 |
| >C12-C28 Range Hydrocarbons | <41.8 | U | 99.0 | 41.8 | mg/Kg | | 08/11/22 15:03 | 08/11/22 18:49 | 1 |
| >C28-C35 Range Hydrocarbons | <41.8 | U | 99.0 | 41.8 | mg/Kg | | 08/11/22 15:03 | 08/11/22 18:49 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *90* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 18:49* | *1* |
| *o-Terphenyl (Surr)* | *112* | | *70 - 130* | *08/11/22 15:03* | *08/11/22 18:49* | *1* |

**Lab Sample ID: MB 860-64601/26-A**
**Matrix: Solid**
**Analysis Batch: 64509**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 64601**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 08/11/22 15:04 | 08/12/22 03:00 | 1 |
| >C12-C28 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 08/11/22 15:04 | 08/12/22 03:00 | 1 |
| >C28-C35 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 08/11/22 15:04 | 08/12/22 03:00 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *88* | | *70 - 130* | *08/11/22 15:04* | *08/12/22 03:00* | *1* |
| *o-Terphenyl (Surr)* | *112* | | *70 - 130* | *08/11/22 15:04* | *08/12/22 03:00* | *1* |

**Lab Sample ID: LCS 860-64601/2-A**
**Matrix: Solid**
**Analysis Batch: 64715**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 64601**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1910 | 2009 | | mg/Kg | | 105 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | | | 1910 | 1929 | | mg/Kg | | 101 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *81* | | *70 - 130* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: LCSD 860-64601/3-A**
**Matrix: Solid**
**Analysis Batch: 64715**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 64601**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1900 | 2023 | | mg/Kg | | 107 | 75 - 125 | 1 | 20 |
| >C12-C28 Range Hydrocarbons | | | 1900 | 1947 | | mg/Kg | | 103 | 75 - 125 | 1 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *81* | | *70 - 130* |

**Lab Sample ID: 860-30001-16 MS**
**Matrix: Solid**
**Analysis Batch: 64509**

**Client Sample ID: 22F4225-16**
**Prep Type: Total/NA**
**Prep Batch: 64601**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.6 | U H H3 | 1910 | 1924 | H H3 | mg/Kg | | 101 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | 198 | H H3 | 1920 | 2546 | H H3 | mg/Kg | | 123 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *94* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *121* | | *70 - 130* |

**Lab Sample ID: 860-30001-16 MSD**
**Matrix: Solid**
**Analysis Batch: 64509**

**Client Sample ID: 22F4225-16**
**Prep Type: Total/NA**
**Prep Batch: 64601**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.6 | U H H3 | 1960 | 1990 | H H3 | mg/Kg | | 102 | 75 - 125 | 3 | 20 |
| >C12-C28 Range Hydrocarbons | 198 | H H3 | 1960 | 2445 | H H3 | mg/Kg | | 115 | 75 - 125 | 4 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *93* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *116* | | *70 - 130* |

**Lab Sample ID: MB 860-65434/1-A**
**Matrix: Solid**
**Analysis Batch: 65335**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 65434**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.1 | U | 92.8 | 39.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:02 | 1 |
| >C12-C28 Range Hydrocarbons | <39.1 | U | 92.8 | 39.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:02 | 1 |
| >C28-C35 Range Hydrocarbons | <39.1 | U | 92.8 | 39.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 04:02 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *91* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 04:02* | *1* |
| *o-Terphenyl (Surr)* | *95* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 04:02* | *1* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: MB 860-65434/24-A**
**Matrix: Solid**
**Analysis Batch: 65515**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 65434**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 10:29 | 1 |
| >C12-C28 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 10:29 | 1 |
| >C28-C35 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 08/17/22 14:02 | 08/18/22 10:29 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *98* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 10:29* | *1* |
| *o-Terphenyl (Surr)* | *101* | | *70 - 130* | *08/17/22 14:02* | *08/18/22 10:29* | *1* |

**Lab Sample ID: LCS 860-65434/2-A**
**Matrix: Solid**
**Analysis Batch: 65335**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 65434**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 2030 | 2030 | | mg/Kg | | 100 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | | | 2030 | 2186 | | mg/Kg | | 108 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *103* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *84* | | *70 - 130* |

**Lab Sample ID: LCSD 860-65434/3-A**
**Matrix: Solid**
**Analysis Batch: 65335**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 65434**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1930 | 1847 | | mg/Kg | | 96 | 75 - 125 | 9 | 20 |
| >C12-C28 Range Hydrocarbons | | | 1930 | 2013 | | mg/Kg | | 104 | 75 - 125 | 8 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *80* | | *70 - 130* |

**Lab Sample ID: MB 860-65625/1-A**
**Matrix: Solid**
**Analysis Batch: 65523**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 65625**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.8 | U | 101 | 42.8 | mg/Kg | | 08/18/22 15:08 | 08/18/22 18:05 | 1 |
| >C12-C28 Range Hydrocarbons | <42.8 | U | 101 | 42.8 | mg/Kg | | 08/18/22 15:08 | 08/18/22 18:05 | 1 |
| >C28-C35 Range Hydrocarbons | <42.8 | U | 101 | 42.8 | mg/Kg | | 08/18/22 15:08 | 08/18/22 18:05 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *91* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 18:05* | *1* |
| *o-Terphenyl (Surr)* | *96* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 18:05* | *1* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: MB 860-65625/20-A**
**Matrix: Solid**
**Analysis Batch: 65523**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 65625**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.2 | U | 100 | 42.2 | mg/Kg | | 08/18/22 15:08 | 08/18/22 23:54 | 1 |
| >C12-C28 Range Hydrocarbons | <42.2 | U | 100 | 42.2 | mg/Kg | | 08/18/22 15:08 | 08/18/22 23:54 | 1 |
| >C28-C35 Range Hydrocarbons | <42.2 | U | 100 | 42.2 | mg/Kg | | 08/18/22 15:08 | 08/18/22 23:54 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *88* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 23:54* | *1* |
| *o-Terphenyl (Surr)* | *94* | | *70 - 130* | *08/18/22 15:08* | *08/18/22 23:54* | *1* |

**Lab Sample ID: LCS 860-65625/2-A**
**Matrix: Solid**
**Analysis Batch: 65523**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 65625**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1890 | 1941 | | mg/Kg | | 102 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | | | 1900 | 2128 | | mg/Kg | | 112 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *104* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *87* | | *70 - 130* |

**Lab Sample ID: LCSD 860-65625/3-A**
**Matrix: Solid**
**Analysis Batch: 65523**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 65625**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 1940 | 2033 | | mg/Kg | | 105 | 75 - 125 | 5 | 20 |
| >C12-C28 Range Hydrocarbons | | | 1940 | 2148 | | mg/Kg | | 111 | 75 - 125 | 1 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *107* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *87* | | *70 - 130* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) - RA2

**Lab Sample ID: LCS 860-63798/2-A**
**Matrix: Solid**
**Analysis Batch: 63965**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 63798**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons - RA2 | | | 951 | 925.6 | | mg/Kg | | 97 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons - RA2 | | | 952 | 1012 | | mg/Kg | | 106 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr) - RA2* | *91* | | *70 - 130* |
| *o-Terphenyl (Surr) - RA2* | *69* | *S1-* | *70 - 130* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) - RA2 (Continued)

**Lab Sample ID: LCSD 860-63798/3-A**
**Matrix: Solid**
**Analysis Batch: 63965**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 63798**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons - RA2 | | | 951 | 947.3 | | mg/Kg | | 100 | 75 - 125 | 2 | 20 |
| >C12-C28 Range Hydrocarbons - RA2 | | | 952 | 1054 | | mg/Kg | | 111 | 75 - 125 | 4 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr) - RA2* | *94* | | *70 - 130* |
| *o-Terphenyl (Surr) - RA2* | *68* | *S1-* | *70 - 130* |

# QC Association Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## GC Semi VOA

### Analysis Batch: 63735

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-1 | 22F4225-01 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-2 | 22F4225-02 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-3 | 22F4225-03 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-4 | 22F4225-04 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-5 | 22F4225-05 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-6 | 22F4225-06 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-7 | 22F4225-07 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-8 | 22F4225-08 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-9 | 22F4225-09 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-10 | 22F4225-10 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-12 | 22F4225-12 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-13 | 22F4225-13 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-14 | 22F4225-14 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-15 | 22F4225-15 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-17 | 22F4225-17 | Total/NA | Solid | TX 1005 | 63798 |
| MB 860-63798/1-A | Method Blank | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-9 MS | 22F4225-09 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-9 MSD | 22F4225-09 | Total/NA | Solid | TX 1005 | 63798 |

### Analysis Batch: 63737

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-18 | 22F4225-18 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-19 | 22F4225-19 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-20 | 22F4225-20 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-21 | 22F4225-21 | Total/NA | Solid | TX 1005 | 63798 |
| 860-30001-22 | 22F4225-22 | Total/NA | Solid | TX 1005 | 63798 |

### Prep Batch: 63798

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-1 | 22F4225-01 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-2 | 22F4225-02 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-3 | 22F4225-03 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-4 | 22F4225-04 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-5 | 22F4225-05 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-6 | 22F4225-06 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-7 | 22F4225-07 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-8 | 22F4225-08 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-9 | 22F4225-09 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-10 | 22F4225-10 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-12 | 22F4225-12 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-13 | 22F4225-13 | Total/NA | Solid | TX_1005_S_Prep | |

## GC Semi VOA (Continued)

### Prep Batch: 63798 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-14 | 22F4225-14 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-15 | 22F4225-15 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-17 | 22F4225-17 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-18 | 22F4225-18 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-19 | 22F4225-19 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-20 | 22F4225-20 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-21 | 22F4225-21 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-22 | 22F4225-22 | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-63798/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| LCS 860-63798/2-A - RA2 | Lab Control Sample | Total/NA | Solid | TX_1005_S_Prep | |
| LCSD 860-63798/3-A - RA2 | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-9 MS | 22F4225-09 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-9 MSD | 22F4225-09 | Total/NA | Solid | TX_1005_S_Prep | |

### Analysis Batch: 63965

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 860-63798/2-A - RA2 | Lab Control Sample | Total/NA | Solid | TX 1005 | 63798 |
| LCSD 860-63798/3-A - RA2 | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 63798 |

### Analysis Batch: 64359

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-11 | 22F4225-11 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-23 | 22F4225-23 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-24 | 22F4225-24 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-25 | 22F4225-25 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-26 | 22F4225-26 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-27 | 22F4225-27 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-28 | 22F4225-28 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-29 | 22F4225-29 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-30 | 22F4225-30 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-31 | 22F4225-31 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-32 | 22F4225-32 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-33 | 22F4225-33 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-34 | 22F4225-34 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-35 | 22F4225-35 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-36 | 22F4225-36 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-37 | 22F4225-37 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-38 | 22F4225-38 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-39 | 22F4225-39 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-40 | 22F4225-40 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-41 | 22F4225-41 | Total/NA | Solid | TX 1005 | 64426 |

## GC Semi VOA (Continued)

### Analysis Batch: 64359 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 860-64426/1-A | Method Blank | Total/NA | Solid | TX 1005 | 64426 |
| MB 860-64426/26-A | Method Blank | Total/NA | Solid | TX 1005 | 64426 |
| LCS 860-64426/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 64426 |
| LCSD 860-64426/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-11 MS | 22F4225-11 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-11 MSD | 22F4225-11 | Total/NA | Solid | TX 1005 | 64426 |

### Prep Batch: 64426

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-11 | 22F4225-11 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-23 | 22F4225-23 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-24 | 22F4225-24 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-25 | 22F4225-25 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-26 | 22F4225-26 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-27 | 22F4225-27 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-28 | 22F4225-28 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-29 | 22F4225-29 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-30 | 22F4225-30 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-31 | 22F4225-31 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-32 | 22F4225-32 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-33 | 22F4225-33 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-34 | 22F4225-34 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-35 | 22F4225-35 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-36 | 22F4225-36 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-37 | 22F4225-37 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-38 | 22F4225-38 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-39 | 22F4225-39 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-40 | 22F4225-40 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-41 | 22F4225-41 | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-64426/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-64426/26-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| LCS 860-64426/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Prep | |
| LCSD 860-64426/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Prep | |

## GC Semi VOA (Continued)

### Prep Batch: 64426 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-11 MS | 22F4225-11 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-11 MSD | 22F4225-11 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-26 MS | 22F4225-26 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-26 MSD | 22F4225-26 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-33 MS | 22F4225-33 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-33 MSD | 22F4225-33 | Total/NA | Solid | TX_1005_S_Prep | |

### Analysis Batch: 64509

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-16 | 22F4225-16 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-42 | 22F4225-42 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-43 | 22F4225-43 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-44 | 22F4225-44 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-45 | 22F4225-45 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-46 | 22F4225-46 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-47 | 22F4225-47 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-48 | 22F4225-48 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-49 | 22F4225-49 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-50 | 22F4225-50 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-51 | 22F4225-51 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-52 | 22F4225-52 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-53 | 22F4225-53 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-54 | 22F4225-54 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-55 | 22F4225-55 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-56 | 22F4225-56 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-57 | 22F4225-57 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-58 | 22F4225-58 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-59 | 22F4225-59 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-60 | 22F4225-60 | Total/NA | Solid | TX 1005 | 64601 |
| MB 860-64601/1-A | Method Blank | Total/NA | Solid | TX 1005 | 64601 |
| MB 860-64601/26-A | Method Blank | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-16 MS | 22F4225-16 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-16 MSD | 22F4225-16 | Total/NA | Solid | TX 1005 | 64601 |
| 860-30001-26 MS | 22F4225-26 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-26 MSD | 22F4225-26 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-33 MS | 22F4225-33 | Total/NA | Solid | TX 1005 | 64426 |
| 860-30001-33 MSD | 22F4225-33 | Total/NA | Solid | TX 1005 | 64426 |

### Prep Batch: 64601

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-16 | 22F4225-16 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-42 | 22F4225-42 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-43 | 22F4225-43 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-44 | 22F4225-44 | Total/NA | Solid | TX_1005_S_Prep | |

## GC Semi VOA (Continued)

### Prep Batch: 64601 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-45 | 22F4225-45 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-46 | 22F4225-46 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-47 | 22F4225-47 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-48 | 22F4225-48 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-49 | 22F4225-49 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-50 | 22F4225-50 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-51 | 22F4225-51 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-52 | 22F4225-52 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-53 | 22F4225-53 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-54 | 22F4225-54 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-55 | 22F4225-55 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-56 | 22F4225-56 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-57 | 22F4225-57 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-58 | 22F4225-58 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-59 | 22F4225-59 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-60 | 22F4225-60 | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-64601/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-64601/26-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| LCS 860-64601/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Prep | |
| LCSD 860-64601/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-16 MS | 22F4225-16 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-16 MSD | 22F4225-16 | Total/NA | Solid | TX_1005_S_Prep | |

### Analysis Batch: 64715

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 860-64601/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 64601 |
| LCSD 860-64601/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 64601 |

### Analysis Batch: 65335

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-61 | 22F4225-61 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-62 | 22F4225-62 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-63 | 22F4225-63 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-64 | 22F4225-64 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-65 | 22F4225-65 | Total/NA | Solid | TX 1005 | 65434 |

## GC Semi VOA (Continued)

### Analysis Batch: 65335 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-66 | 22F4225-66 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-67 | 22F4225-67 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-68 | 22F4225-68 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-69 | 22F4225-69 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-70 | 22F4225-70 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-71 | 22F4225-71 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-72 | 22F4225-72 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-73 | 22F4225-73 | Total/NA | Solid | TX 1005 | 65434 |
| MB 860-65434/1-A | Method Blank | Total/NA | Solid | TX 1005 | 65434 |
| LCS 860-65434/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 65434 |
| LCSD 860-65434/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 65434 |

### Prep Batch: 65434

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-61 | 22F4225-61 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-62 | 22F4225-62 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-63 | 22F4225-63 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-64 | 22F4225-64 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-65 | 22F4225-65 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-66 | 22F4225-66 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-67 | 22F4225-67 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-68 | 22F4225-68 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-69 | 22F4225-69 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-70 | 22F4225-70 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-71 | 22F4225-71 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-72 | 22F4225-72 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-73 | 22F4225-73 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-74 | 22F4225-74 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-75 | 22F4225-75 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-76 | 22F4225-76 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-77 | 22F4225-77 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-78 | 22F4225-78 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-79 | 22F4225-79 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-80 | 22F4225-80 | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-65434/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |

## GC Semi VOA (Continued)

### Prep Batch: 65434 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 860-65434/24-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| LCS 860-65434/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Prep | |
| LCSD 860-65434/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Prep | |

### Analysis Batch: 65515

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-78 | 22F4225-78 | Total/NA | Solid | TX 1005 | 65434 |
| MB 860-65434/24-A | Method Blank | Total/NA | Solid | TX 1005 | 65434 |

### Analysis Batch: 65523

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-76 | 22F4225-76 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-77 | 22F4225-77 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-81 | 22F4225-81 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-82 | 22F4225-82 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-83 | 22F4225-83 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-84 | 22F4225-84 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-85 | 22F4225-85 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-86 | 22F4225-86 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-87 | 22F4225-87 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-88 | 22F4225-88 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-89 | 22F4225-89 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-90 | 22F4225-90 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-91 | 22F4225-91 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-92 | 22F4225-92 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-93 | 22F4225-93 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-94 | 22F4225-94 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-95 | 22F4225-95 | Total/NA | Solid | TX 1005 | 65625 |
| 860-30001-96 | 22F4225-96 | Total/NA | Solid | TX 1005 | 65625 |
| MB 860-65625/1-A | Method Blank | Total/NA | Solid | TX 1005 | 65625 |
| MB 860-65625/20-A | Method Blank | Total/NA | Solid | TX 1005 | 65625 |
| LCS 860-65625/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 65625 |
| LCSD 860-65625/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 65625 |

### Analysis Batch: 65525

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-74 | 22F4225-74 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-75 | 22F4225-75 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-79 | 22F4225-79 | Total/NA | Solid | TX 1005 | 65434 |
| 860-30001-80 | 22F4225-80 | Total/NA | Solid | TX 1005 | 65434 |

### Prep Batch: 65625

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-81 | 22F4225-81 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-82 | 22F4225-82 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-83 | 22F4225-83 | Total/NA | Solid | TX_1005_S_Prep | |

## GC Semi VOA (Continued)

### Prep Batch: 65625 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-84 | 22F4225-84 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-85 | 22F4225-85 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-86 | 22F4225-86 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-87 | 22F4225-87 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-88 | 22F4225-88 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-89 | 22F4225-89 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-90 | 22F4225-90 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-91 | 22F4225-91 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-92 | 22F4225-92 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-93 | 22F4225-93 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-94 | 22F4225-94 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-95 | 22F4225-95 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-30001-96 | 22F4225-96 | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-65625/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-65625/20-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| LCS 860-65625/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Prep | |
| LCSD 860-65625/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Prep | |

### Analysis Batch: 65668

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-1 | 22F4225-01 | Total/NA | Solid | TX 1005 | |
| 860-30001-2 | 22F4225-02 | Total/NA | Solid | TX 1005 | |
| 860-30001-3 | 22F4225-03 | Total/NA | Solid | TX 1005 | |
| 860-30001-4 | 22F4225-04 | Total/NA | Solid | TX 1005 | |
| 860-30001-5 | 22F4225-05 | Total/NA | Solid | TX 1005 | |
| 860-30001-6 | 22F4225-06 | Total/NA | Solid | TX 1005 | |
| 860-30001-7 | 22F4225-07 | Total/NA | Solid | TX 1005 | |
| 860-30001-8 | 22F4225-08 | Total/NA | Solid | TX 1005 | |
| 860-30001-9 | 22F4225-09 | Total/NA | Solid | TX 1005 | |
| 860-30001-10 | 22F4225-10 | Total/NA | Solid | TX 1005 | |
| 860-30001-11 | 22F4225-11 | Total/NA | Solid | TX 1005 | |
| 860-30001-12 | 22F4225-12 | Total/NA | Solid | TX 1005 | |
| 860-30001-13 | 22F4225-13 | Total/NA | Solid | TX 1005 | |
| 860-30001-14 | 22F4225-14 | Total/NA | Solid | TX 1005 | |
| 860-30001-15 | 22F4225-15 | Total/NA | Solid | TX 1005 | |
| 860-30001-16 | 22F4225-16 | Total/NA | Solid | TX 1005 | |
| 860-30001-17 | 22F4225-17 | Total/NA | Solid | TX 1005 | |
| 860-30001-18 | 22F4225-18 | Total/NA | Solid | TX 1005 | |

## GC Semi VOA (Continued)

### Analysis Batch: 65668 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-19 | 22F4225-19 | Total/NA | Solid | TX 1005 | |
| 860-30001-20 | 22F4225-20 | Total/NA | Solid | TX 1005 | |
| 860-30001-21 | 22F4225-21 | Total/NA | Solid | TX 1005 | |
| 860-30001-22 | 22F4225-22 | Total/NA | Solid | TX 1005 | |
| 860-30001-23 | 22F4225-23 | Total/NA | Solid | TX 1005 | |
| 860-30001-24 | 22F4225-24 | Total/NA | Solid | TX 1005 | |
| 860-30001-25 | 22F4225-25 | Total/NA | Solid | TX 1005 | |
| 860-30001-26 | 22F4225-26 | Total/NA | Solid | TX 1005 | |
| 860-30001-27 | 22F4225-27 | Total/NA | Solid | TX 1005 | |
| 860-30001-28 | 22F4225-28 | Total/NA | Solid | TX 1005 | |
| 860-30001-29 | 22F4225-29 | Total/NA | Solid | TX 1005 | |
| 860-30001-30 | 22F4225-30 | Total/NA | Solid | TX 1005 | |
| 860-30001-31 | 22F4225-31 | Total/NA | Solid | TX 1005 | |
| 860-30001-32 | 22F4225-32 | Total/NA | Solid | TX 1005 | |
| 860-30001-33 | 22F4225-33 | Total/NA | Solid | TX 1005 | |
| 860-30001-34 | 22F4225-34 | Total/NA | Solid | TX 1005 | |
| 860-30001-35 | 22F4225-35 | Total/NA | Solid | TX 1005 | |
| 860-30001-36 | 22F4225-36 | Total/NA | Solid | TX 1005 | |
| 860-30001-37 | 22F4225-37 | Total/NA | Solid | TX 1005 | |
| 860-30001-38 | 22F4225-38 | Total/NA | Solid | TX 1005 | |
| 860-30001-39 | 22F4225-39 | Total/NA | Solid | TX 1005 | |
| 860-30001-40 | 22F4225-40 | Total/NA | Solid | TX 1005 | |
| 860-30001-41 | 22F4225-41 | Total/NA | Solid | TX 1005 | |
| 860-30001-42 | 22F4225-42 | Total/NA | Solid | TX 1005 | |
| 860-30001-43 | 22F4225-43 | Total/NA | Solid | TX 1005 | |
| 860-30001-44 | 22F4225-44 | Total/NA | Solid | TX 1005 | |
| 860-30001-45 | 22F4225-45 | Total/NA | Solid | TX 1005 | |
| 860-30001-46 | 22F4225-46 | Total/NA | Solid | TX 1005 | |
| 860-30001-47 | 22F4225-47 | Total/NA | Solid | TX 1005 | |
| 860-30001-48 | 22F4225-48 | Total/NA | Solid | TX 1005 | |
| 860-30001-49 | 22F4225-49 | Total/NA | Solid | TX 1005 | |
| 860-30001-50 | 22F4225-50 | Total/NA | Solid | TX 1005 | |
| 860-30001-51 | 22F4225-51 | Total/NA | Solid | TX 1005 | |
| 860-30001-52 | 22F4225-52 | Total/NA | Solid | TX 1005 | |
| 860-30001-53 | 22F4225-53 | Total/NA | Solid | TX 1005 | |
| 860-30001-54 | 22F4225-54 | Total/NA | Solid | TX 1005 | |
| 860-30001-55 | 22F4225-55 | Total/NA | Solid | TX 1005 | |
| 860-30001-56 | 22F4225-56 | Total/NA | Solid | TX 1005 | |
| 860-30001-57 | 22F4225-57 | Total/NA | Solid | TX 1005 | |
| 860-30001-58 | 22F4225-58 | Total/NA | Solid | TX 1005 | |
| 860-30001-59 | 22F4225-59 | Total/NA | Solid | TX 1005 | |
| 860-30001-60 | 22F4225-60 | Total/NA | Solid | TX 1005 | |
| 860-30001-61 | 22F4225-61 | Total/NA | Solid | TX 1005 | |
| 860-30001-62 | 22F4225-62 | Total/NA | Solid | TX 1005 | |
| 860-30001-63 | 22F4225-63 | Total/NA | Solid | TX 1005 | |
| 860-30001-64 | 22F4225-64 | Total/NA | Solid | TX 1005 | |
| 860-30001-65 | 22F4225-65 | Total/NA | Solid | TX 1005 | |
| 860-30001-66 | 22F4225-66 | Total/NA | Solid | TX 1005 | |
| 860-30001-67 | 22F4225-67 | Total/NA | Solid | TX 1005 | |
| 860-30001-68 | 22F4225-68 | Total/NA | Solid | TX 1005 | |
| 860-30001-69 | 22F4225-69 | Total/NA | Solid | TX 1005 | |

## GC Semi VOA (Continued)

### Analysis Batch: 65668 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-30001-70 | 22F4225-70 | Total/NA | Solid | TX 1005 | |
| 860-30001-71 | 22F4225-71 | Total/NA | Solid | TX 1005 | |
| 860-30001-72 | 22F4225-72 | Total/NA | Solid | TX 1005 | |
| 860-30001-73 | 22F4225-73 | Total/NA | Solid | TX 1005 | |
| 860-30001-74 | 22F4225-74 | Total/NA | Solid | TX 1005 | |
| 860-30001-75 | 22F4225-75 | Total/NA | Solid | TX 1005 | |
| 860-30001-76 | 22F4225-76 | Total/NA | Solid | TX 1005 | |
| 860-30001-77 | 22F4225-77 | Total/NA | Solid | TX 1005 | |
| 860-30001-78 | 22F4225-78 | Total/NA | Solid | TX 1005 | |
| 860-30001-79 | 22F4225-79 | Total/NA | Solid | TX 1005 | |
| 860-30001-80 | 22F4225-80 | Total/NA | Solid | TX 1005 | |
| 860-30001-81 | 22F4225-81 | Total/NA | Solid | TX 1005 | |
| 860-30001-82 | 22F4225-82 | Total/NA | Solid | TX 1005 | |
| 860-30001-83 | 22F4225-83 | Total/NA | Solid | TX 1005 | |
| 860-30001-84 | 22F4225-84 | Total/NA | Solid | TX 1005 | |
| 860-30001-85 | 22F4225-85 | Total/NA | Solid | TX 1005 | |
| 860-30001-86 | 22F4225-86 | Total/NA | Solid | TX 1005 | |
| 860-30001-87 | 22F4225-87 | Total/NA | Solid | TX 1005 | |
| 860-30001-88 | 22F4225-88 | Total/NA | Solid | TX 1005 | |
| 860-30001-89 | 22F4225-89 | Total/NA | Solid | TX 1005 | |
| 860-30001-90 | 22F4225-90 | Total/NA | Solid | TX 1005 | |
| 860-30001-91 | 22F4225-91 | Total/NA | Solid | TX 1005 | |
| 860-30001-92 | 22F4225-92 | Total/NA | Solid | TX 1005 | |
| 860-30001-93 | 22F4225-93 | Total/NA | Solid | TX 1005 | |
| 860-30001-94 | 22F4225-94 | Total/NA | Solid | TX 1005 | |
| 860-30001-95 | 22F4225-95 | Total/NA | Solid | TX 1005 | |
| 860-30001-96 | 22F4225-96 | Total/NA | Solid | TX 1005 | |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-01
**Lab Sample ID: 860-30001-1**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.10 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 20:19 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-02
**Lab Sample ID: 860-30001-2**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.07 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 20:39 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-03
**Lab Sample ID: 860-30001-3**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.01 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 20:59 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-04
**Lab Sample ID: 860-30001-4**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.03 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 21:19 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-05
**Lab Sample ID: 860-30001-5**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.98 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 21:58 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-06
**Lab Sample ID: 860-30001-6**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.18 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 22:18 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-07
**Lab Sample ID: 860-30001-7**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.18 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 22:38 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-08
**Lab Sample ID: 860-30001-8**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.99 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 22:57 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-09
**Lab Sample ID: 860-30001-9**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.18 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 19:20 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-10
**Lab Sample ID: 860-30001-10**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.08 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 23:17 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-11
**Lab Sample ID: 860-30001-11**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.23 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/10/22 20:13 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-12
**Lab Sample ID: 860-30001-12**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.95 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 23:36 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-13
**Lab Sample ID: 860-30001-13**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.97 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/05/22 23:56 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-14
**Lab Sample ID: 860-30001-14**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.08 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/06/22 00:16 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-15
**Lab Sample ID: 860-30001-15**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.12 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/06/22 00:36 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-16
**Lab Sample ID: 860-30001-16**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.95 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 19:09 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-17
**Lab Sample ID: 860-30001-17**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.10 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63735 | 08/06/22 00:55 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-18
**Lab Sample ID: 860-30001-18**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.98 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63737 | 08/05/22 22:38 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-19
**Lab Sample ID: 860-30001-19**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.20 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63737 | 08/05/22 22:58 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-20
**Lab Sample ID: 860-30001-20**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.12 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63737 | 08/05/22 23:17 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-21
**Lab Sample ID: 860-30001-21**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.26 g | 10 mL | 63798 | 08/05/22 12:41 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63737 | 08/05/22 23:36 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-22
**Lab Sample ID: 860-30001-22**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.96 g | 10 mL | 63798 | 08/05/22 12:48 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 63737 | 08/05/22 23:55 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-23
**Lab Sample ID: 860-30001-23**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.38 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/10/22 21:13 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-24
**Lab Sample ID: 860-30001-24**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.46 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/10/22 21:33 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-25
**Lab Sample ID: 860-30001-25**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.24 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/10/22 21:53 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-26
**Lab Sample ID: 860-30001-26**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.98 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/10/22 22:13 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-27
**Lab Sample ID: 860-30001-27**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.98 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/10/22 22:52 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-28
**Lab Sample ID: 860-30001-28**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.08 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/10/22 23:12 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-29
**Lab Sample ID: 860-30001-29**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.15 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/10/22 23:32 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-30
**Lab Sample ID: 860-30001-30**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.10 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/10/22 23:51 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-31
**Lab Sample ID: 860-30001-31**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/11/22 00:11 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-32
**Lab Sample ID: 860-30001-32**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/11/22 00:30 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-33
**Lab Sample ID: 860-30001-33**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.15 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/11/22 00:50 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-34
**Lab Sample ID: 860-30001-34**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.95 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/11/22 01:09 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-35
**Lab Sample ID: 860-30001-35**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.04 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/11/22 01:29 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-36
**Lab Sample ID: 860-30001-36**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.96 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/11/22 01:48 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-37
**Lab Sample ID: 860-30001-37**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.32 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/11/22 02:27 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-38
**Lab Sample ID: 860-30001-38**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.19 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/11/22 02:47 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-39
**Lab Sample ID: 860-30001-39**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.11 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/11/22 03:06 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-40
**Lab Sample ID: 860-30001-40**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.03 g | 10 mL | 64426 | 08/10/22 16:46 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/11/22 03:26 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-41
**Lab Sample ID: 860-30001-41**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.06 g | 10 mL | 64426 | 08/10/22 16:47 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64359 | 08/11/22 03:45 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-42
**Lab Sample ID: 860-30001-42**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.01 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 20:09 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-43
**Lab Sample ID: 860-30001-43**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.34 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 20:28 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-44
**Lab Sample ID: 860-30001-44**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.19 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 20:48 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-45
**Lab Sample ID: 860-30001-45**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.93 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 21:08 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-46
**Lab Sample ID: 860-30001-46**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.09 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 21:47 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-47
**Lab Sample ID: 860-30001-47**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.13 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 22:07 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-48
**Lab Sample ID: 860-30001-48**
**Date Collected: 04/14/22 10:30**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.12 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 22:27 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-49
**Lab Sample ID: 860-30001-49**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.12 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 22:46 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-50
**Lab Sample ID: 860-30001-50**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.05 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 23:06 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-51
**Lab Sample ID: 860-30001-51**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 23:26 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-52
**Lab Sample ID: 860-30001-52**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.20 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/11/22 23:45 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-53
**Lab Sample ID: 860-30001-53**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.06 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/12/22 00:05 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-54
**Lab Sample ID: 860-30001-54**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.37 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/12/22 00:24 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-55
**Lab Sample ID: 860-30001-55**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.29 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/12/22 00:44 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-56
**Lab Sample ID: 860-30001-56**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.22 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/12/22 01:23 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-57
**Lab Sample ID: 860-30001-57**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.46 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/12/22 01:42 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-58
**Lab Sample ID: 860-30001-58**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.70 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/12/22 02:01 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-59
**Lab Sample ID: 860-30001-59**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.16 g | 10 mL | 64601 | 08/11/22 15:03 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/12/22 02:21 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-60
**Lab Sample ID: 860-30001-60**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.05 g | 10 mL | 64601 | 08/11/22 15:04 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 64509 | 08/12/22 02:40 | T1S | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-61
**Lab Sample ID: 860-30001-61**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.10 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 04:21 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-62
**Lab Sample ID: 860-30001-62**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.06 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 04:40 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-63
**Lab Sample ID: 860-30001-63**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.24 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 04:59 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-64
**Lab Sample ID: 860-30001-64**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.16 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 05:18 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-65
**Lab Sample ID: 860-30001-65**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.37 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 05:57 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-66
**Lab Sample ID: 860-30001-66**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.95 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 06:16 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-67
**Lab Sample ID: 860-30001-67**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.67 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 06:35 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-68
**Lab Sample ID: 860-30001-68**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.97 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 06:54 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-69
**Lab Sample ID: 860-30001-69**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.19 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 07:13 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-70
**Lab Sample ID: 860-30001-70**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.98 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 07:32 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-71
**Lab Sample ID: 860-30001-71**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.45 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 07:51 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-72
**Lab Sample ID: 860-30001-72**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.26 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 08:10 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-73
**Lab Sample ID: 860-30001-73**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.44 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65335 | 08/18/22 08:29 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-74
**Lab Sample ID: 860-30001-74**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.03 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65525 | 08/18/22 11:24 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-75
**Lab Sample ID: 860-30001-75**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.97 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65525 | 08/18/22 11:43 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-76
**Lab Sample ID: 860-30001-76**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.29 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 11:24 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-77
**Lab Sample ID: 860-30001-77**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.20 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 11:43 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-78
**Lab Sample ID: 860-30001-78**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.40 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65515 | 08/18/22 12:09 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-79
**Lab Sample ID: 860-30001-79**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.31 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65525 | 08/18/22 10:45 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-80
**Lab Sample ID: 860-30001-80**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.91 g | 10 mL | 65434 | 08/17/22 14:02 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65525 | 08/18/22 11:04 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-81
**Lab Sample ID: 860-30001-81**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.98 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 18:24 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-82
**Lab Sample ID: 860-30001-82**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.20 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 18:44 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-83
**Lab Sample ID: 860-30001-83**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.35 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 19:03 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-84
**Lab Sample ID: 860-30001-84**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.23 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 19:23 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-85
**Lab Sample ID: 860-30001-85**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.85 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 19:43 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-86
**Lab Sample ID: 860-30001-86**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.50 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 20:02 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-87
**Lab Sample ID: 860-30001-87**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 4.90 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 20:21 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-88
**Lab Sample ID: 860-30001-88**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.27 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 21:00 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-89
**Lab Sample ID: 860-30001-89**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.24 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 21:20 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-90
**Lab Sample ID: 860-30001-90**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.12 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 21:39 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-91
**Lab Sample ID: 860-30001-91**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.29 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 21:59 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-92
**Lab Sample ID: 860-30001-92**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.33 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 22:18 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-93
**Lab Sample ID: 860-30001-93**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.43 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 22:37 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-94
**Lab Sample ID: 860-30001-94**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.13 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 22:57 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

## Client Sample ID: 22F4225-95
**Lab Sample ID: 860-30001-95**
**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 10 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 23:16 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Client Sample ID: 22F4225-96
## Lab Sample ID: 860-30001-96

**Date Collected: 04/15/22 13:00**
**Matrix: Solid**
**Date Received: 07/19/22 15:54**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.04 g | 10 mL | 65625 | 08/18/22 15:08 | SYH | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65523 | 08/18/22 23:35 | SAR | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 65668 | 08/18/22 16:48 | DD | EET HOU |

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

# Accreditation/Certification Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

## Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704215-22-47 | 06-30-23 |

# Method Summary

Client: North Water District Laboratory Services
Job ID: 860-30001-1
Project/Site: Fish Tissue 22F4225

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| TX 1005 | Texas - Total Petroleum Hydrocarbon (GC) | TCEQ | EET HOU |
| TX_1005_S_Prep | Extraction - Texas Total petroleum Hyrdocarbons | TCEQ | EET HOU |

**Protocol References:**

TCEQ = Texas Commission of Environmental Quality

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

# Sample Summary

Client: North Water District Laboratory Services
Project/Site: Fish Tissue 22F4225

Job ID: 860-30001-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 860-30001-1 | 22F4225-01 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-2 | 22F4225-02 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-3 | 22F4225-03 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-4 | 22F4225-04 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-5 | 22F4225-05 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-6 | 22F4225-06 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-7 | 22F4225-07 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-8 | 22F4225-08 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-9 | 22F4225-09 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-10 | 22F4225-10 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-11 | 22F4225-11 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-12 | 22F4225-12 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-13 | 22F4225-13 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-14 | 22F4225-14 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-15 | 22F4225-15 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-16 | 22F4225-16 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-17 | 22F4225-17 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-18 | 22F4225-18 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-19 | 22F4225-19 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-20 | 22F4225-20 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-21 | 22F4225-21 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-22 | 22F4225-22 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-23 | 22F4225-23 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-24 | 22F4225-24 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-25 | 22F4225-25 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-26 | 22F4225-26 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-27 | 22F4225-27 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-28 | 22F4225-28 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-29 | 22F4225-29 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-30 | 22F4225-30 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-31 | 22F4225-31 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-32 | 22F4225-32 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-33 | 22F4225-33 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-34 | 22F4225-34 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-35 | 22F4225-35 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-36 | 22F4225-36 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-37 | 22F4225-37 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-38 | 22F4225-38 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-39 | 22F4225-39 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-40 | 22F4225-40 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-41 | 22F4225-41 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-42 | 22F4225-42 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-43 | 22F4225-43 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-44 | 22F4225-44 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-45 | 22F4225-45 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-46 | 22F4225-46 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-47 | 22F4225-47 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-48 | 22F4225-48 | Solid | 04/14/22 10:30 | 07/19/22 15:54 |
| 860-30001-49 | 22F4225-49 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-50 | 22F4225-50 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-51 | 22F4225-51 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-52 | 22F4225-52 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-53 | 22F4225-53 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-54 | 22F4225-54 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-55 | 22F4225-55 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |

# Sample Summary

Client: North Water District Laboratory Services
Project/Site: Fish Tissue 22F4225

Job ID: 860-30001-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 860-30001-56 | 22F4225-56 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-57 | 22F4225-57 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-58 | 22F4225-58 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-59 | 22F4225-59 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-60 | 22F4225-60 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-61 | 22F4225-61 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-62 | 22F4225-62 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-63 | 22F4225-63 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-64 | 22F4225-64 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-65 | 22F4225-65 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-66 | 22F4225-66 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-67 | 22F4225-67 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-68 | 22F4225-68 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-69 | 22F4225-69 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-70 | 22F4225-70 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-71 | 22F4225-71 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-72 | 22F4225-72 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-73 | 22F4225-73 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-74 | 22F4225-74 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-75 | 22F4225-75 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-76 | 22F4225-76 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-77 | 22F4225-77 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-78 | 22F4225-78 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-79 | 22F4225-79 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-80 | 22F4225-80 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-81 | 22F4225-81 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-82 | 22F4225-82 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-83 | 22F4225-83 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-84 | 22F4225-84 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-85 | 22F4225-85 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-86 | 22F4225-86 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-87 | 22F4225-87 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-88 | 22F4225-88 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-89 | 22F4225-89 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-90 | 22F4225-90 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-91 | 22F4225-91 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-92 | 22F4225-92 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-93 | 22F4225-93 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-94 | 22F4225-94 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-95 | 22F4225-95 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |
| 860-30001-96 | 22F4225-96 | Solid | 04/15/22 13:00 | 07/19/22 15:54 |

NWDLS

860-30001 Chain of Custody

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

Eurofins Xenco_Subcontract
4145 Greenbriar Drive
Stafford, TX 77477
Phone: (281) 240-4200
Fax:

Temp: 4.6 IR ID:HOU-339
C/F:-1.4
Corrected Temp: 3 2

## Work Order: 22F4225

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-01** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-02** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-03** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-04** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-05** ***Tissue Sampled: 04/14/2022 10:30*** | | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|

**Sample ID: 22F4225-06** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).* 1-Chlorooctadecane-surr — 1-Chlorooctane-surr — Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied:*

**Sample ID: 22F4225-07** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).* 1-Chlorooctadecane-surr — 1-Chlorooctane-surr — Total Petroleum Hydrocarbons (TPH) C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-08** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).* 1-Chlorooctadecane-surr — 1-Chlorooctane-surr — Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-09** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10:30

*Analyte(s).* 1-Chlorooctadecane-surr — 1-Chlorooctane-surr — Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-10** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).* 1-Chlorooctadecane-surr — 1-Chlorooctane-surr — Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-11** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).* 1-Chlorooctadecane-surr — 1-Chlorooctane-surr — Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied*

**Work Order: 22F4225 (Continued)**

| Analysis | Due | Expires | Comments |
|---|---|---|---|

**Sample ID: 22F4225-12** ***Tissue Sampled: 04/14/2022 10:30***

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied:*

**Sample ID: 22F4225-13** ***Tissue Sampled: 04/14/2022 10:30***

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-14** ***Tissue Sampled: 04/14/2022 10:30***

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied*

**Sample ID: 22F4225-15** ***Tissue Sampled: 04/14/2022 10:30***

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-16** ***Tissue Sampled: 04/14/2022 10:30***

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-17** ***Tissue Sampled: 04/14/2022 10:30***

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

NWDLS
North Water District
Laboratory Services, Inc.

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-18** *Tissue Sampled: 04/14/2022 10:30* | | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-19** *Tissue Sampled: 04/14/2022 10:30* | | | |
| TPH 1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-20** *Tissue Sampled: 04/14/2022 10:30* | | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied·* | | | |
| **Sample ID: 22F4225-21** *Tissue Sampled: 04/14/2022 10:30* | | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-22** *Tissue Sampled: 04/14/2022 10:30* | | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-23** *Tissue Sampled: 04/14/2022 10:30* | | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

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# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-24** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-25** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-26** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-27** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-28** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-29** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10 30 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |

NWDLS
North American Drilling Laboratories, Inc.

# SUBCONTRACT ORDER (Continued)

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-30** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 04/28/2022 10 30 | | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | *Total Petroleum Hydrocarbons* (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-31** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 04/28/2022 10 30 | | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH) C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-32** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 04/28/2022 10 30 | | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-33** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 04/28/2022 10 30 | | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | *Total Petroleum Hydrocarbons* (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-34** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 04/28/2022 10 30 | | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-35** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 04/28/2022 10 30 | | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|

**Sample ID: 22F4225-36** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-37** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied*

**Sample ID: 22F4225-38** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied:*

**Sample ID: 22F4225-39** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s)* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied*

**Sample ID: 22F4225-40** *Tissue Sampled: 04/14/2022 10:30*

TPH 1005 08/19/2022 04/28/2022 10:30

*Analyte(s).* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied:*

**Sample ID: 22F4225-41** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied:*

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|

**Sample ID: 22F4225-42** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s)* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-43** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied*

**Sample ID: 22F4225-44** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s).* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-45** *Tissue Sampled: 04/14/2022 10:30*

TPH 1005 08/19/2022 04/28/2022 10 30

*Analyte(s)* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-46** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s)* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied*

**Sample ID: 22F4225-47** *Tissue Sampled: 04/14/2022 10:30*

TPH-1005 08/19/2022 04/28/2022 10 30

*Analyte(s)* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-48** | ***Tissue Sampled: 04/14/2022 10:30*** | | |
| TPH-1005 | 08/19/2022 | 04/28/2022 10:30 | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-49** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13:00 | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-50** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13:00 | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-51** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13:00 | |
| *Analyte(s).* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-52** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13:00 | |
| *Analyte(s)* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-53** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH 1005 | 08/19/2022 | 04/29/2022 13:00 | |
| *Analyte(s)* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|

**Sample ID: 22F4225-54** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s).* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied:*

**Sample ID: 22F4225-55** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s)* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied:*

**Sample ID: 22F4225-56** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s).* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-57** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s)* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-58** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s)* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied*

**Sample ID: 22F4225-59** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s).* 1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied*

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North Water District Laboratory Services Inc

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-60** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-61** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-62** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-63** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-64** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-65** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |

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**SUBCONTRACT ORDER (Continued)**

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|

**Sample ID: 22F4225-66** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied*

**Sample ID: 22F4225-67** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-68** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied*

**Sample ID: 22F4225-69** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied:*

**Sample ID: 22F4225-70** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

**Sample ID: 22F4225-71** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s).*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied.*

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# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-72** *Tissue Sampled: 04/15/2022 13:00* | | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-73** *Tissue Sampled: 04/15/2022 13:00* | | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied·* | | | |
| **Sample ID: 22F4225-74** *Tissue Sampled: 04/15/2022 13:00* | | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied·* | | | |
| **Sample ID: 22F4225-75** *Tissue Sampled: 04/15/2022 13:00* | | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-76** *Tissue Sampled: 04/15/2022 13:00* | | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-77** *Tissue Sampled: 04/15/2022 13:00* | | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied·* | | | |

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# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-78** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-79** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-80** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-81** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH 1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-82** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-83** ***Tissue Sampled: 04/15/2022 13:00*** | | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied·* | | | |

**Work Order: 22F4225 (Continued)**

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-84** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-85** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-86** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied.* | | | |
| **Sample ID: 22F4225-87** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH 1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-88** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13:00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-89** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |

# SUBCONTRACT ORDER
(Continued)

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 22F4225-90** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH) C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-91** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-92** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |
| **Sample ID: 22F4225-93** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-94** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 22F4225-95** | ***Tissue Sampled: 04/15/2022 13:00*** | | |
| TPH-1005 | 08/19/2022 | 04/29/2022 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied* | | | |

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# SUBCONTRACT ORDER (Continued)

## Work Order: 22F4225 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|

**Sample ID: 22F4225-96** *Tissue Sampled: 04/15/2022 13:00*

TPH-1005 08/19/2022 04/29/2022 13 00

*Analyte(s)*

1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35

*Containers Supplied:*

Released By Date Received By Date

7/19/22 7-19-22 15:54

# Login Sample Receipt Checklist

Client: North Water District Laboratory Services

Job Number: 860-30001-1

**Login Number: 30001**
**List Number: 1**
**Creator: Palmar, Pedro**

**List Source: Eurofins Houston**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | N/A | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |

130 S. Trade Center Parkway, Conroe TX 77385
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April 03, 2023

# LAB REPORT

Gregg Pawlak
Terracon_Houston
11555 Clay Road
Houston, TX 77043

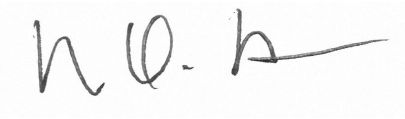
Report ID: 20230403134428MM

RE: PCCA HI & CDP Resampling 2023

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Monica O. Martin
Chief Administrative Officer

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Work Order Case Narrative

A total of 18 samples for the CDP Resampling Event were collected on:

| Laboratory ID | Sample Name | Sample Date |
|---|---|---|
| 23A1459-05 | HI-REF-W | 01/27/2023 11:25 |
| 23A1459-47 | REF-S | 01/27/2023 09:20 |
| 23A1459-49 | CDP-06-W | 01/27/2023 15:32 |
| 23A1459-50 | CDP-07-W | 01/27/2023 14:40 |
| 23A1459-51 | CDP-06-E | 01/23/2023 13:05 |
| 23A1459-52 | CDP-07-E | 01/21/2023 10:00 |
| 23A1459-53 | CDP-06-S | 01/23/2023 13:05 |
| 23A1459-54 | CDP-06-6A-S | 01/25/2023 08:00 |
| 23A1459-55 | CDP-06-6B-S | 01/23/2023 16:00 |
| 23A1459-56 | CDP-06-6C-S | 01/23/2023 13:05 |
| 23A1459-57 | CDP-07-S | 01/21/2023 10:00 |
| 23A1459-58 | CDP-07-7A-S | 01/21/2023 10:00 |
| 23A1459-59 | CDP-07-7C-S | 01/21/2023 15:10 |
| 23A1459-60 | CDP-DUP-S | 01/21/2023 11:45 |
| 23A1459-62 | ODMDS-W | 01/27/2023 13:10 |
| 23A1459-63 | CDP-DUP-W | 01/27/2023 15:15 |
| 23A1459-65 | CDP-DUP-E | 01/21/2023 11:45 |
| 23A1459-66 | ODMDS-S | 01/27/2023 12:30 |

Samples were received and accepted at NWDLS on 01/19/2023 - 01/28/2023. Any receiving discrepancies are recorded and stored in NWDLS' database. The samples received a Work Order of 23A1459. The lab sample IDs, client sample IDs, and dates of collection can be found at the top of each result page.

NWDLS provided their lowest detection limit for all requested analyses. Note that detection and reporting limits are adjusted to account for sample specific parameters.

Any QC that did not meet the laboratory specified control limits was flagged and reported with qualifiers. For additional information, please refer to the included quality control data pages.

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results

Client Sample ID: HI-REF-W
Lab Sample ID: 23A1459-05
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 01/27/2023 11:25
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/08/2023 00:57 | KRB |
| SW-8270 | Benzidine | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/08/2023 00:57 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *96.3%* | | *54.6-148* | | | | | *02/08/2023 00:57* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *121%* | | *55-152* | | | | | *02/08/2023 00:57* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *146%* | *S* | *52.4-136* | | | | | *02/08/2023 00:57* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *118%* | | *52-162* | | | | | *02/08/2023 00:57* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *119%* | | *58.7-152* | | | | | *02/08/2023 00:57* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *79.5%* | | *51.9-147* | | | | | *02/08/2023 00:57* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Aldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00600 | C+, U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | delta-BHC | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Dieldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Endosulfan I | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Endosulfan II | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Endrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Endrin ketone | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Heptachlor | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Methoxychlor | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 22:42 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.300 | U | ug/L | 1 | 0.300 | 0.300 | BGA3839 | 02/06/2023 22:42 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *96.6%* | | *60-140* | | | | | *02/06/2023 22:42* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: HI-REF-W (Continued)
Lab Sample ID: 23A1459-05
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 01/27/2023 11:25
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *62.9%* | | *60-140* | | | | | *02/06/2023 22:42* | |
| SW-8082 | PCBs, Total | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.120 | BGB0277 | 02/11/2023 09:04 | cdg |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *93.0%* | | *60-140* | | | | | *02/11/2023 09:04* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *62.8%* | | *60-140* | | | | | *02/11/2023 09:04* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BGA3813 | 01/30/2023 15:20 | NAZ |
| EPA 200.8 | Selenium | A | <1.65 | U | ug/L | 5 | 1.65 | 10.0 | BGB1605 | 02/22/2023 13:51 | JLK |
| **Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <1.00 | U | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/09/2023 14:11 | JLK |
| EPA 200.8 | Arsenic | A | 1.21 | J | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/08/2023 15:47 | JLK |
| EPA 200.8 | Beryllium | A | <0.0500 | U | ug/L | 5 | 0.0500 | 1.00 | BGB0721 | 02/14/2023 16:33 | TBB |
| EPA 200.8 | Cadmium | A | 0.312 | J | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/09/2023 14:11 | JLK |
| EPA 200.8 | Chromium | A | 0.448 | J | ug/L | 5 | 0.400 | 15.0 | BGB0721 | 02/08/2023 15:47 | JLK |
| EPA 200.8 | Copper | A | <1.00 | B, U | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/08/2023 15:47 | JLK |
| Calc | Chromium (III) | | <1.90 | U | ug/L | 5 | 1.90 | 18.0 | [CALC] | 02/10/2023 14:47 | SAB |
| EPA 200.8 | Lead | A | <0.500 | U | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/08/2023 15:47 | JLK |
| EPA 200.8 | Nickel | A | 0.302 | J | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/08/2023 15:47 | JLK |
| EPA 200.8 | Silver | A | <0.150 | U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/08/2023 15:47 | JLK |
| EPA 200.8 | Thallium | A | <0.150 | U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/08/2023 15:47 | JLK |
| EPA 200.8 | Zinc | A | <1.00 | U | ug/L | 5 | 1.00 | 10.0 | BGB0721 | 02/09/2023 14:11 | JLK |
| **General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.520 | | mg/L | 1 | 0.0200 | 0.0500 | BGB0479 | 02/03/2023 12:50 | DLK |
| SM 2520 B | Salinity | N | 29.2 | | Salinity units | 1 | 1.00 | 1.00 | BGB1516 | 02/10/2023 12:31 | AKA |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 9.47 | | mg/L | 1 | 1.00 | 1.00 | BGA3833 | 01/31/2023 12:49 | BP / JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | HI-REF-W | Sample Matrix: | Marine Water |
| Lab Sample ID: | 23A1459-05RE1 | Date Collected: | 01/27/2023 11:25 |
| Sample Alias: | | Collected by: | Michael Madonna |

### Semivolatile Organic Compounds by GCMS

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 2,4,5 & 2,4,6 -Trichlorophenol (Rerun) | N | <1.11U | ug/L | 1 | 1.11 | 2.23 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.556U | ug/L | 1 | 0.556 | 1.12 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.556U | ug/L | 1 | 0.556 | 1.12 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.47C+, U | ug/L | 1 | 4.47 | 4.47 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.556U | ug/L | 1 | 0.556 | 1.12 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.556C+, U | ug/L | 1 | 0.556 | 1.12 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.556U | ug/L | 1 | 0.556 | 1.12 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.556U | ug/L | 1 | 0.556 | 1.12 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.47U | ug/L | 1 | 4.47 | 4.47 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 1.12 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.279U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: HI-REF-W (Continued)
Lab Sample ID: 23A1459-05RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 01/27/2023 11:25
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 0.685 | V | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.279 | B, U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 0.865 | V | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.279 | C+, U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 2.23 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.556 | U | ug/L | 1 | 0.556 | 1.12 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.766 | J | ug/L | 1 | 0.556 | 1.12 | BGA3953 | 02/13/2023 21:25 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.279 | U | ug/L | 1 | 0.279 | 0.559 | BGA3953 | 02/13/2023 21:25 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *95.0%* | | *54.6-148* | | | | | *02/13/2023 21:25* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *120%* | | *55-152* | | | | | *02/13/2023 21:25* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *88.3%* | | *52.4-136* | | | | | *02/13/2023 21:25* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *81.7%* | | *52-162* | | | | | *02/13/2023 21:25* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *118%* | | *58.7-152* | | | | | *02/13/2023 21:25* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | HI-REF-W (Continued) | Sample Matrix: | Marine Water |
| Lab Sample ID: | 23A1459-05RE1 | Date Collected: | 01/27/2023 11:25 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *73.9%* | | *51.9-147* | | | | | *02/13/2023 21:25* | |
| **Metals, Dissolved** | | | | | | | | | | | |
| SM 3500-Cr B | Chromium (VI) (Rerun) | A | 7.62 | | ug/L | 1 | 1.50 | 3.00 | BGB1154 | 02/10/2023 14:47 | SAB |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: REF-S
Lab Sample ID: 23A1459-47
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/27/2023 9:20
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/09/2023 21:48 | KRB |
| SW-8270 | Benzidine | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/09/2023 21:48 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *74.4%* | | *60-140* | | | | | *02/09/2023 21:48* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *79.5%* | | *60-140* | | | | | *02/09/2023 21:48* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *110%* | | *60-140* | | | | | *02/09/2023 21:48* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *85.4%* | | *60-140* | | | | | *02/09/2023 21:48* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *92.2%* | | *60-140* | | | | | *02/09/2023 21:48* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *51.2%* | *S* | *60-140* | | | | | *02/09/2023 21:48* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Aldrin | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | delta-BHC | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Dieldrin | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Endosulfan I | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Endosulfan II | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Endrin | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Endrin ketone | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Heptachlor | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Methoxychlor | A | <0.434 | U | ug/kg dry | 10 | 0.434 | 1.45 | BGB0044 | 02/08/2023 01:42 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <21.7 | C+, U | ug/kg dry | 10 | 21.7 | 21.7 | BGB0044 | 02/08/2023 01:42 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *78.5%* | | *60-140* | | | | | *02/08/2023 01:42* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: REF-S (Continued)
Lab Sample ID: 23A1459-47
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/27/2023 9:20
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *108%* | *60-140* | | | | | *02/08/2023 01:42* | |
| SW-8082 | PCBs, Total | A | <1.45C+, U | ug/kg dry | 1 | 1.45 | 2.90 | BGB1177 | 02/25/2023 03:54 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *146% S* | *60-140* | | | | | *02/25/2023 03:54* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *130%* | *60-140* | | | | | *02/25/2023 03:54* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.0297U | mg/kg dry | 1 | 0.0297 | 0.0596 | BGB0820 | 02/07/2023 14:00 | JLK |
| EPA 200.8 | Arsenic | A | 1.71 | mg/kg dry | 1 | 0.00297 | 0.0297 | BGB0820 | 02/27/2023 10:30 | TBB |
| EPA 200.8 | Beryllium | A | 0.176 | mg/kg dry | 5 | 0.00298 | 0.0594 | BGB0820 | 02/27/2023 15:52 | TBB |
| EPA 200.8 | Cadmium | A | 0.0152J | mg/kg dry | 1 | 0.00297 | 0.0596 | BGB0820 | 02/07/2023 14:00 | JLK |
| EPA 200.8 | Chromium | A | 2.91 | mg/kg dry | 1 | 0.00893 | 0.179 | BGB0820 | 02/07/2023 14:00 | JLK |
| EPA 200.8 | Copper | A | 1.68V | mg/kg dry | 1 | 0.0119 | 0.0596 | BGB0820 | 02/08/2023 11:03 | TBB |
| Calc | Chromium (III) | | 2.32J | mg/kg (dry wt) dry | 1 | 0.153 | 5.18 | [CALC] | 02/24/2023 14:39 | GJG |
| SW-7196 | Chromium (VI) | A | 0.587J | mg/kg dry | 1 | 0.144 | 5.00 | BGB3245 | 02/24/2023 14:39 | GJG |
| SW-7471B | Mercury | A | 0.0121J | mg/kg dry | 1 | 0.00991 | 0.0198 | BGB1025 | 02/08/2023 16:28 | AKR |
| EPA 200.8 | Lead | A | 2.73 | mg/kg dry | 1 | 0.00297 | 0.0297 | BGB0820 | 02/07/2023 14:00 | JLK |
| EPA 200.8 | Nickel | A | 3.03 | mg/kg dry | 1 | 0.0596 | 0.0596 | BGB0820 | 02/07/2023 14:00 | JLK |
| EPA 200.8 | Selenium | A | 0.458 | mg/kg dry | 1 | 0.0596 | 0.119 | BGB0820 | 02/08/2023 11:03 | TBB |
| EPA 200.8 | Silver | A | 0.00851J | mg/kg dry | 1 | 0.00149 | 0.0297 | BGB0820 | 02/07/2023 14:00 | JLK |
| EPA 200.8 | Thallium | A | 0.0295J | mg/kg dry | 1 | 0.00149 | 0.0297 | BGB0820 | 02/07/2023 14:00 | JLK |
| EPA 200.8 | Zinc | A | 11.3 | mg/kg dry | 1 | 0.0596 | 0.119 | BGB0820 | 02/07/2023 14:00 | JLK |
| **General Chemistry** | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0362U | mg/kg dry | 1 | 0.0362 | 0.0724 | BGB0157 | 02/02/2023 17:57 | GJG |
| EPA 350.2 | Ammonia as N | A | 13.4J | mg/kg dry | 1 | 7.23 | 14.5 | BGB0953 | 02/08/2023 09:15 | GIW |
| SW-9045C | pH | A | 8.53H | pH Units @ 25 °C | 1 | | 0.100 | BGA3958 | 01/31/2023 12:52 | AKA |
| SM 2540 G | % Solids | A | 69.0H, V | % | 1 | 0.100 | 0.100 | BGA3978 | 02/01/2023 12:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: REF-S
Lab Sample ID: 23A1459-47RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/27/2023 9:20
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <3.62 | U | ug/kg dry | 1 | 3.62 | 7.24 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <3.62 | U | ug/kg dry | 1 | 3.62 | 7.24 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <3.62 | U | ug/kg dry | 1 | 3.62 | 7.24 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <3.62 | U | ug/kg dry | 1 | 3.62 | 7.24 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <3.62 | U | ug/kg dry | 1 | 3.62 | 7.24 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <14.5 | U | ug/kg dry | 1 | 14.5 | 29.0 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <3.62 | U | ug/kg dry | 1 | 3.62 | 7.24 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <3.62 | U | ug/kg dry | 1 | 3.62 | 7.24 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Benzo(b)fluoranthene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Benzo(k)fluoranthene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: REF-S (Continued)
Lab Sample ID: 23A1459-47RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/27/2023 9:20
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 3.54 | V, J | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.81 | C+, U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <3.62 | U | ug/kg dry | 1 | 3.62 | 7.24 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | <3.62 | U | ug/kg dry | 1 | 3.62 | 7.24 | BGB0288 | 02/27/2023 19:40 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.81 | U | ug/kg dry | 1 | 1.81 | 3.62 | BGB0288 | 02/27/2023 19:40 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *43.8%* | *S* | *60-140* | | | | | *02/27/2023 19:40* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *55.9%* | *S* | *60-140* | | | | | *02/27/2023 19:40* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *50.2%* | *S* | *60-140* | | | | | *02/27/2023 19:40* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *50.8%* | *S* | *60-140* | | | | | *02/27/2023 19:40* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *58.4%* | *S* | *60-140* | | | | | *02/27/2023 19:40* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *29.2%* | *S* | *60-140* | | | | | *02/27/2023 19:40* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-06-W | Sample Matrix: | Marine Water |
| Lab Sample ID: | 23A1459-49 | Date Collected: | 01/27/2023 15:32 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/08/2023 01:32 | KRB |
| SW-8270 | Benzidine | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/08/2023 01:32 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *94.2%* | | *54.6-148* | | | | | *02/08/2023 01:32* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *121%* | | *55-152* | | | | | *02/08/2023 01:32* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *136%* | | *52.4-136* | | | | | *02/08/2023 01:32* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *113%* | | *52-162* | | | | | *02/08/2023 01:32* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *111%* | | *58.7-152* | | | | | *02/08/2023 01:32* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *78.5%* | | *51.9-147* | | | | | *02/08/2023 01:32* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Aldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00600 | C+, U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | delta-BHC | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Dieldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Endosulfan I | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Endosulfan II | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Endrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Endrin ketone | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Heptachlor | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Methoxychlor | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:09 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.300 | U | ug/L | 1 | 0.300 | 0.300 | BGA3839 | 02/06/2023 23:09 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *105%* | | *60-140* | | | | | *02/06/2023 23:09* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-W (Continued)
Lab Sample ID: 23A1459-49
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 01/27/2023 15:32
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *58.6%* | *S* | *60-140* | | | | | *02/06/2023 23:09* | |
| SW-8082 | PCBs, Total | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.120 | BGB0277 | 02/11/2023 07:17 | cdg |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *90.4%* | | *60-140* | | | | | *02/11/2023 07:17* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *50.5%* | *S* | *60-140* | | | | | *02/11/2023 07:17* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BGA3813 | 01/30/2023 15:30 | NAZ |
| EPA 200.8 | Selenium | A | <1.65 | U | ug/L | 5 | 1.65 | 10.0 | BGB1605 | 02/22/2023 15:21 | TBB |
| **Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <1.00 | U | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/09/2023 14:34 | JLK |
| EPA 200.8 | Arsenic | A | 1.23 | J | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/14/2023 16:59 | TBB |
| EPA 200.8 | Beryllium | A | <0.0500 | U | ug/L | 5 | 0.0500 | 1.00 | BGB0721 | 02/28/2023 12:26 | TBB |
| EPA 200.8 | Cadmium | A | <0.250 | U | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/09/2023 14:34 | JLK |
| EPA 200.8 | Chromium | A | <0.400 | U | ug/L | 5 | 0.400 | 15.0 | BGB0721 | 02/14/2023 16:59 | TBB |
| EPA 200.8 | Copper | A | 1.31 | V, J | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/09/2023 14:34 | JLK |
| Calc | Chromium (III) | | <1.90 | U | ug/L | 5 | 1.90 | 18.0 | [CALC] | 02/15/2023 14:47 | SAB |
| SM 3500-Cr B | Chromium (VI) | A | 28.9 | | ug/L | 1 | 1.50 | 3.00 | BGB2104 | 02/15/2023 14:47 | SAB |
| EPA 200.8 | Lead | A | 0.539 | J | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/08/2023 16:13 | JLK |
| EPA 200.8 | Nickel | A | 0.531 | J | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/14/2023 16:59 | TBB |
| EPA 200.8 | Silver | A | <0.150 | U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/09/2023 14:34 | JLK |
| EPA 200.8 | Thallium | A | <0.150 | U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/08/2023 16:13 | JLK |
| EPA 200.8 | Zinc | A | <1.00 | U | ug/L | 5 | 1.00 | 10.0 | BGB0721 | 02/09/2023 14:34 | JLK |
| **General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.630 | | mg/L | 1 | 0.0200 | 0.0500 | BGB0480 | 02/03/2023 13:10 | DLK |
| SM 2520 B | Salinity | N | 28.4 | | Salinity units | 1 | 1.00 | 1.00 | BGB1516 | 02/10/2023 12:39 | AKA |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 14.3 | | mg/L | 1 | 1.00 | 1.00 | BGA3833 | 01/31/2023 12:49 | BP / JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-06-W | Sample Matrix: | Marine Water |
| Lab Sample ID: | 23A1459-49RE1 | Date Collected: | 01/27/2023 15:32 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 2,4,5 & 2,4,6 -Trichlorophenol (Rerun) | N | <1.11U | ug/L | 1 | 1.11 | 2.23 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.554U | ug/L | 1 | 0.554 | 1.11 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.554U | ug/L | 1 | 0.554 | 1.11 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.45C+, U | ug/L | 1 | 4.45 | 4.45 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.554U | ug/L | 1 | 0.554 | 1.11 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.554C+, U | ug/L | 1 | 0.554 | 1.11 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.554U | ug/L | 1 | 0.554 | 1.11 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.554U | ug/L | 1 | 0.554 | 1.11 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.45U | ug/L | 1 | 4.45 | 4.45 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 1.11 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.278U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-W (Continued)
Lab Sample ID: 23A1459-49RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 01/27/2023 15:32
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 0.680 | V | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.278 | B, U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 2.00 | V | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.278 | C+, U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 2.23 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.554 | U | ug/L | 1 | 0.554 | 1.11 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.680 | J | ug/L | 1 | 0.554 | 1.11 | BGA3953 | 02/13/2023 22:00 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.278 | U | ug/L | 1 | 0.278 | 0.557 | BGA3953 | 02/13/2023 22:00 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *93.3%* | | *54.6-148* | | | | | *02/13/2023 22:00* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *119%* | | *55-152* | | | | | *02/13/2023 22:00* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *86.3%* | | *52.4-136* | | | | | *02/13/2023 22:00* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *86.3%* | | *52-162* | | | | | *02/13/2023 22:00* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *115%* | | *58.7-152* | | | | | *02/13/2023 22:00* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-06-W (Continued) | Sample Matrix: | Marine Water |
| Lab Sample ID: | 23A1459-49RE1 | Date Collected: | 01/27/2023 15:32 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *74.9%* | | *51.9-147* | | | | | *02/13/2023 22:00* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-W
Lab Sample ID: 23A1459-50
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 01/27/2023 14:40
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/08/2023 02:07 | KRB |
| SW-8270 | Benzidine | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/08/2023 02:07 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *114%* | | *54.6-148* | | | | | *02/08/2023 02:07* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *140%* | | *55-152* | | | | | *02/08/2023 02:07* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *172%* | *S* | *52.4-136* | | | | | *02/08/2023 02:07* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *142%* | | *52-162* | | | | | *02/08/2023 02:07* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *141%* | | *58.7-152* | | | | | *02/08/2023 02:07* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *79.9%* | | *51.9-147* | | | | | *02/08/2023 02:07* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Aldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00600 | C+, U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | delta-BHC | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Dieldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Endosulfan I | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Endosulfan II | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Endrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Endrin ketone | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Heptachlor | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Methoxychlor | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/06/2023 23:36 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.300 | U | ug/L | 1 | 0.300 | 0.300 | BGA3839 | 02/06/2023 23:36 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *114%* | | *60-140* | | | | | *02/06/2023 23:36* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-W (Continued)
Lab Sample ID: 23A1459-50
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 01/27/2023 14:40
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *65.2%* | | *60-140* | | | | | *02/06/2023 23:36* | |
| SW-8082 | PCBs, Total | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.120 | BGB0277 | 02/11/2023 09:30 | cdg |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *102%* | | *60-140* | | | | | *02/11/2023 09:30* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *53.3%* | *S* | *60-140* | | | | | *02/11/2023 09:30* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BGA3813 | 01/30/2023 15:33 | NAZ |
| EPA 200.8 | Selenium | A | <1.65 | U | ug/L | 5 | 1.65 | 10.0 | BGB1605 | 02/22/2023 15:24 | TBB |
| **Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <1.00 | U | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/09/2023 14:54 | JLK |
| EPA 200.8 | Arsenic | A | 1.43 | J | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/22/2023 11:38 | TBB |
| EPA 200.8 | Beryllium | A | <0.0500 | U | ug/L | 5 | 0.0500 | 1.00 | BGB0721 | 02/28/2023 12:44 | TBB |
| EPA 200.8 | Cadmium | A | <0.250 | U | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/09/2023 14:54 | JLK |
| EPA 200.8 | Chromium | A | 0.450 | J | ug/L | 5 | 0.400 | 15.0 | BGB0721 | 02/14/2023 17:22 | TBB |
| EPA 200.8 | Copper | A | 1.23 | V, J | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/09/2023 14:54 | JLK |
| Calc | Chromium (III) | | <1.90 | U | ug/L | 5 | 1.90 | 18.0 | [CALC] | 02/15/2023 14:47 | SAB |
| SM 3500-Cr B | Chromium (VI) | A | 26.6 | | ug/L | 1 | 1.50 | 3.00 | BGB2104 | 02/15/2023 14:47 | SAB |
| EPA 200.8 | Lead | A | <0.500 | U | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/08/2023 16:35 | JLK |
| EPA 200.8 | Nickel | A | 0.626 | J | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/14/2023 17:22 | TBB |
| EPA 200.8 | Silver | A | <0.150 | U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/09/2023 14:54 | JLK |
| EPA 200.8 | Thallium | A | <0.150 | U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/08/2023 16:35 | JLK |
| EPA 200.8 | Zinc | A | 1.32 | J | ug/L | 5 | 1.00 | 10.0 | BGB0721 | 02/09/2023 14:54 | JLK |
| **General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 1.45 | | mg/L | 2 | 0.0400 | 0.100 | BGB0480 | 02/03/2023 14:45 | DLK |
| SM 2520 B | Salinity | N | 28.6 | | Salinity units | 1 | 1.00 | 1.00 | BGB1516 | 02/10/2023 13:18 | AKA |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 23.5 | | mg/L | 1 | 1.00 | 1.00 | BGA3833 | 01/31/2023 12:49 | BP / JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-07-W | Sample Matrix: | Marine Water |
| Lab Sample ID: | 23A1459-50RE1 | Date Collected: | 01/27/2023 14:40 |
| Sample Alias: | | Collected by: | Michael Madonna |

### Semivolatile Organic Compounds by GCMS

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 2,4,5 & 2,4,6 -Trichlorophenol (Rerun) | N | <1.11 | U | ug/L | 1 | 1.11 | 2.24 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.48 | C+, U | ug/L | 1 | 4.48 | 4.48 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.557 | C+, U | ug/L | 1 | 0.557 | 1.12 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.48 | U | ug/L | 1 | 4.48 | 4.48 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 1.12 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-W (Continued)
Lab Sample ID: 23A1459-50RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 01/27/2023 14:40
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 0.628 | V | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.280 | B, U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 1.73 | V | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.280 | C+, U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 2.24 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.557 | U | ug/L | 1 | 0.557 | 1.12 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.976 | J | ug/L | 1 | 0.557 | 1.12 | BGA3953 | 02/13/2023 22:35 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.280 | U | ug/L | 1 | 0.280 | 0.560 | BGA3953 | 02/13/2023 22:35 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *113%* | | *54.6-148* | | | | | *02/13/2023 22:35* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *144%* | | *55-152* | | | | | *02/13/2023 22:35* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *103%* | | *52.4-136* | | | | | *02/13/2023 22:35* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *104%* | | *52-162* | | | | | *02/13/2023 22:35* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *142%* | | *58.7-152* | | | | | *02/13/2023 22:35* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-07-W (Continued) | Sample Matrix: | Marine Water |
| Lab Sample ID: | 23A1459-50RE1 | Date Collected: | 01/27/2023 14:40 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *79.2%* | | *51.9-147* | | | | | *02/13/2023 22:35* | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-E
Lab Sample ID: 23A1459-51
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 01/23/2023 13:05
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/11/2023 01:36 | KRB |
| SW-8270 | Benzidine | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/11/2023 01:36 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *87.2%* | | *54.6-148* | | | | | *02/11/2023 01:36* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *86.3%* | | *55-152* | | | | | *02/11/2023 01:36* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *110%* | | *52.4-136* | | | | | *02/11/2023 01:36* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *98.5%* | | *52-162* | | | | | *02/11/2023 01:36* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *92.1%* | | *58.7-152* | | | | | *02/11/2023 01:36* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *77.9%* | | *51.9-147* | | | | | *02/11/2023 01:36* | |
| **Elutriate Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Aldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00600 | C+, U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | delta-BHC | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Dieldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Endosulfan I | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Endosulfan II | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Endrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Endrin ketone | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Heptachlor | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Methoxychlor | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:24 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.300 | U | ug/L | 1 | 0.300 | 0.300 | BGB0543 | 02/09/2023 01:24 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *105%* | | *60-140* | | | | | *02/09/2023 01:24* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-E (Continued)
Lab Sample ID: 23A1459-51
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 01/23/2023 13:05
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Organics by GC (Continued)** | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *84.5%* | *60-140* | | | | | *02/09/2023 01:24* | |
| SW-8082 | PCBs, Total | A | <0.00600U | ug/L | 1 | 0.00600 | 0.120 | BGB1127 | 02/17/2023 07:51 | cro |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *118%* | *60-140* | | | | | *02/17/2023 07:51* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *73.9%* | *60-140* | | | | | *02/17/2023 07:51* | |
| **Elutriate Metals, Dissolved** | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <1.00B2, U | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/09/2023 14:56 | JLK |
| EPA 200.8 | Arsenic | A | 1.46J | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/22/2023 11:41 | TBB |
| EPA 200.8 | Beryllium | A | <0.0500B2, U | ug/L | 5 | 0.0500 | 1.00 | BGB0721 | 02/28/2023 15:54 | TBB |
| EPA 200.8 | Cadmium | A | 0.384J | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/09/2023 14:56 | JLK |
| EPA 200.8 | Chromium | A | <0.400U | ug/L | 5 | 0.400 | 15.0 | BGB0721 | 02/14/2023 17:25 | TBB |
| EPA 200.8 | Copper | A | <1.00B, B2, U | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/09/2023 14:56 | JLK |
| Calc | Chromium (III) | | <1.90U | ug/L | 5 | 1.90 | 18.0 | [CALC] | 02/15/2023 14:48 | SAB |
| SM 3500-Cr B | Chromium (VI) | A | 0.0276V2 | mg/L | 1 | 0.00150 | 0.00300 | BGB2104 | 02/15/2023 14:48 | SAB |
| EPA 200.8 | Lead | A | <0.500U | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/08/2023 16:38 | JLK |
| EPA 200.8 | Nickel | A | 2.74V2, J | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/14/2023 17:25 | TBB |
| EPA 200.8 | Silver | A | <0.150U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/09/2023 14:56 | JLK |
| EPA 200.8 | Thallium | A | <0.150U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/08/2023 16:38 | JLK |
| EPA 200.8 | Zinc | A | 2.08V2, J | ug/L | 5 | 1.00 | 10.0 | BGB0721 | 02/09/2023 14:56 | JLK |
| **Elutriate Metals, Total** | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150U | ug/L | 1 | 0.150 | 0.200 | BGB0678 | 02/06/2023 16:54 | NAZ |
| EPA 200.8 | Selenium | A | <1.65U | ug/L | 5 | 1.65 | 10.0 | BGB3632 | 03/01/2023 11:23 | TBB |
| **Elutriate General Chemistry** | | | | | | | | | | |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 1.89 | mg/L | 1 | 1.00 | 1.00 | BGB0150 | 02/02/2023 11:48 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-06-E | Sample Matrix: | Elutriate |
| Lab Sample ID: | 23A1459-51RE1 | Date Collected: | 01/23/2023 13:05 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 2,4,5 & 2,4,6 -Trichlorophenol (Rerun) | N | <1.12 | U | ug/L | 1 | 1.12 | 2.25 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.50 | U | ug/L | 1 | 4.50 | 4.50 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.50 | U | ug/L | 1 | 4.50 | 4.50 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.562 | U | ug/L | 1 | 0.562 | 1.12 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-E (Continued)
Lab Sample ID: 23A1459-51RE1
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 01/23/2023 13:05
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 0.909 | V, V2 | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.281 | B, B2, U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 1.98 | V, V2 | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.281 | C+, U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 2.25 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.281 | C+, U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.560 | C+, U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.651 | V2, J | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:01 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:01 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *92.4%* | | *54.6-148* | | | | | *02/15/2023 01:01* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *111%* | | *55-152* | | | | | *02/15/2023 01:01* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *105%* | | *52.4-136* | | | | | *02/15/2023 01:01* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *80.2%* | | *52-162* | | | | | *02/15/2023 01:01* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *124%* | | *58.7-152* | | | | | *02/15/2023 01:01* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-06-E (Continued) | Sample Matrix: | Elutriate |
| Lab Sample ID: | 23A1459-51RE1 | Date Collected: | 01/23/2023 13:05 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *80.9%* | | *51.9-147* | | | | | *02/15/2023 01:01* | |
| **Elutriate General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N (Rerun) | A | 0.660 | | mg/L | 1 | 0.0200 | 0.0500 | BGB0807 | 02/07/2023 10:09 | DLK |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-07-E | Sample Matrix: | Elutriate |
| Lab Sample ID: | 23A1459-52 | Date Collected: | 01/21/2023 10:00 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/11/2023 02:11 | KRB |
| SW-8270 | Benzidine | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/11/2023 02:11 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *87.1%* | | *54.6-148* | | | | | *02/11/2023 02:11* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *93.2%* | | *55-152* | | | | | *02/11/2023 02:11* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *120%* | | *52.4-136* | | | | | *02/11/2023 02:11* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *103%* | | *52-162* | | | | | *02/11/2023 02:11* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *96.9%* | | *58.7-152* | | | | | *02/11/2023 02:11* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *90.3%* | | *51.9-147* | | | | | *02/11/2023 02:11* | |
| **Elutriate Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Aldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00600 | C+, U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | delta-BHC | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Dieldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Endosulfan I | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Endosulfan II | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Endrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Endrin ketone | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Heptachlor | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Methoxychlor | A | 0.00902 | P | ug/L | 1 | 0.00600 | 0.00600 | BGB0543 | 02/09/2023 01:51 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.300 | U | ug/L | 1 | 0.300 | 0.300 | BGB0543 | 02/09/2023 01:51 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *110%* | | *60-140* | | | | | *02/09/2023 01:51* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-E (Continued)
Lab Sample ID: 23A1459-52
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 01/21/2023 10:00
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *86.5%* | | *60-140* | | | | | *02/09/2023 01:51* | |
| SW-8082 | PCBs, Total | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.120 | BGB1127 | 02/17/2023 08:18 | cro |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *123%* | | *60-140* | | | | | *02/17/2023 08:18* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *71.2%* | | *60-140* | | | | | *02/17/2023 08:18* | |
| **Elutriate Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <1.00 | B2, U | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/09/2023 14:59 | JLK |
| EPA 200.8 | Arsenic | A | 0.752 | J | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/22/2023 11:44 | TBB |
| EPA 200.8 | Beryllium | A | <0.0500 | B2, U | ug/L | 5 | 0.0500 | 1.00 | BGB0721 | 02/28/2023 15:57 | TBB |
| EPA 200.8 | Cadmium | A | <0.250 | U | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/09/2023 14:59 | JLK |
| EPA 200.8 | Chromium | A | <0.400 | U | ug/L | 5 | 0.400 | 15.0 | BGB0721 | 02/14/2023 17:28 | TBB |
| EPA 200.8 | Copper | A | 5.30 | V, V2 | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/14/2023 17:28 | TBB |
| Calc | Chromium (III) | | <1.90 | U | ug/L | 5 | 1.90 | 18.0 | [CALC] | 02/15/2023 14:48 | SAB |
| SM 3500-Cr B | Chromium (VI) | A | 0.0206 | V2 | mg/L | 1 | 0.00150 | 0.00300 | BGB2104 | 02/15/2023 14:48 | SAB |
| EPA 200.8 | Lead | A | <0.500 | U | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/08/2023 16:41 | JLK |
| EPA 200.8 | Nickel | A | 2.97 | V2, J | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/14/2023 17:28 | TBB |
| EPA 200.8 | Silver | A | <0.150 | U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/09/2023 14:59 | JLK |
| EPA 200.8 | Thallium | A | <0.150 | U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/08/2023 16:41 | JLK |
| EPA 200.8 | Zinc | A | 2.18 | V2, J | ug/L | 5 | 1.00 | 10.0 | BGB0721 | 02/14/2023 17:28 | TBB |
| **Elutriate Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BGB0678 | 02/06/2023 16:57 | NAZ |
| EPA 200.8 | Selenium | A | <1.65 | U | ug/L | 1 | 1.65 | 10.0 | BGB3632 | 03/01/2023 11:26 | TBB |
| **Elutriate General Chemistry** | | | | | | | | | | | |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 1.68 | | mg/L | 1 | 1.00 | 1.00 | BGB0150 | 02/02/2023 11:48 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-07-E | Sample Matrix: | Elutriate |
| Lab Sample ID: | 23A1459-52RE1 | Date Collected: | 01/21/2023 10:00 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 2,4,5 & 2,4,6 -Trichlorophenol (Rerun) | N | <1.12 | U | ug/L | 1 | 1.12 | 2.25 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.50 | U | ug/L | 1 | 4.50 | 4.50 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.50 | U | ug/L | 1 | 4.50 | 4.50 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.562 | U | ug/L | 1 | 0.562 | 1.12 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-07-E (Continued) | Sample Matrix: | Elutriate |
| Lab Sample ID: | 23A1459-52RE1 | Date Collected: | 01/21/2023 10:00 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 0.958 | V, V2 | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.281 | B, B2, U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 2.51 | V, V2 | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.281 | C+, U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 2.25 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.281 | C+, U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.560 | C+, U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.796 | V2, J | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 01:36 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 01:36 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *94.9%* | | *54.6-148* | | | | | *02/15/2023 01:36* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *113%* | | *55-152* | | | | | *02/15/2023 01:36* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *107%* | | *52.4-136* | | | | | *02/15/2023 01:36* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *83.9%* | | *52-162* | | | | | *02/15/2023 01:36* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *130%* | | *58.7-152* | | | | | *02/15/2023 01:36* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-E (Continued)
Lab Sample ID: 23A1459-52RE1
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 01/21/2023 10:00
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *91.9%* | | *51.9-147* | | | | | *02/15/2023 01:36* | |
| **Elutriate General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N (Rerun) | A | 0.689 | | mg/L | 1 | 0.0200 | 0.0500 | BGB0807 | 02/07/2023 10:11 | DLK |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6A-S
Lab Sample ID: 23A1459-54
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/25/2023 8:00
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/09/2023 20:38 | KRB |
| SW-8270 | Benzidine | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/09/2023 20:38 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *54.8% S* | *60-140* | | | | | *02/09/2023 20:38* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *85.2%* | *60-140* | | | | | *02/09/2023 20:38* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *91.5%* | *60-140* | | | | | *02/09/2023 20:38* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *87.9%* | *60-140* | | | | | *02/09/2023 20:38* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *92.8%* | *60-140* | | | | | *02/09/2023 20:38* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *68.3%* | *60-140* | | | | | *02/09/2023 20:38* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Aldrin | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | delta-BHC | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Dieldrin | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Endosulfan I | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Endosulfan II | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Endrin | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Endrin ketone | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Heptachlor | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Methoxychlor | A | <0.374U | ug/kg dry | 10 | 0.374 | 1.25 | BGB0044 | 02/08/2023 02:36 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <18.7C+, U | ug/kg dry | 10 | 18.7 | 18.7 | BGB0044 | 02/08/2023 02:36 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *104%* | *60-140* | | | | | *02/08/2023 02:36* | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6A-S (Continued)
Lab Sample ID: 23A1459-54
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/25/2023 8:00
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *106%* | | *60-140* | | | | | *02/08/2023 02:36* | |
| SW-8082 | PCBs, Total | A | <1.25 | C+, U | ug/kg dry | 1 | 1.25 | 2.49 | BGB1177 | 02/25/2023 04:18 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *130%* | | *60-140* | | | | | *02/25/2023 04:18* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *126%* | | *60-140* | | | | | *02/25/2023 04:18* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.124 | U | mg/kg dry | 5 | 0.124 | 0.249 | BGB0820 | 02/07/2023 14:15 | JLK |
| EPA 200.8 | Arsenic | A | 3.99 | | mg/kg dry | 1 | 0.00248 | 0.0248 | BGB0820 | 02/27/2023 10:33 | TBB |
| EPA 200.8 | Beryllium | A | 0.705 | | mg/kg dry | 5 | 0.00249 | 0.0496 | BGB0820 | 02/27/2023 17:11 | TBB |
| EPA 200.8 | Cadmium | A | 0.137 | J | mg/kg dry | 5 | 0.0124 | 0.249 | BGB0820 | 02/07/2023 14:15 | JLK |
| EPA 200.8 | Chromium | A | 7.11 | | mg/kg dry | 1 | 0.00745 | 0.149 | BGB0820 | 02/07/2023 14:05 | JLK |
| EPA 200.8 | Copper | A | 15.4 | V | mg/kg dry | 5 | 0.0496 | 0.249 | BGB0820 | 02/08/2023 11:18 | TBB |
| Calc | Chromium (III) | | 6.60 | | mg/kg (dry wt) dry | 1 | 0.131 | 5.15 | [CALC] | 02/07/2023 14:05 | EM |
| SW-7196 | Chromium (VI) | A | 0.508 | J | mg/kg dry | 1 | 0.124 | 5.00 | BGA3845 | 01/31/2023 17:20 | EM |
| SW-7471B | Mercury | A | 0.0263 | | mg/kg dry | 1 | 0.00986 | 0.0197 | BGB1025 | 02/08/2023 16:41 | AKR |
| EPA 200.8 | Lead | A | 10.8 | | mg/kg dry | 5 | 0.0124 | 0.124 | BGB0820 | 02/07/2023 14:15 | JLK |
| EPA 200.8 | Nickel | A | 8.74 | | mg/kg dry | 1 | 0.0497 | 0.0497 | BGB0820 | 02/07/2023 14:05 | JLK |
| EPA 200.8 | Selenium | A | 1.50 | | mg/kg dry | 1 | 0.0497 | 0.0992 | BGB0820 | 02/08/2023 11:16 | TBB |
| EPA 200.8 | Silver | A | 0.0124 | J | mg/kg dry | 1 | 0.00124 | 0.0248 | BGB0820 | 02/07/2023 14:05 | JLK |
| EPA 200.8 | Thallium | A | 0.0906 | | mg/kg dry | 1 | 0.00124 | 0.0248 | BGB0820 | 02/07/2023 14:05 | JLK |
| EPA 200.8 | Zinc | A | 24.9 | | mg/kg dry | 5 | 0.249 | 0.496 | BGB0820 | 02/07/2023 14:15 | JLK |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0312 | U | mg/kg dry | 1 | 0.0312 | 0.0623 | BGB0157 | 02/02/2023 17:58 | GJG |
| EPA 350.2 | Ammonia as N | A | <6.21 | U | mg/kg dry | 1 | 6.21 | 12.4 | BGB0953 | 02/08/2023 09:15 | GIW |
| SW-9045C | pH | A | 8.61 | H | pH Units @ 25 °C | 1 | | 0.100 | BGA3958 | 01/31/2023 12:52 | AKA |
| SM 2540 G | % Solids | A | 80.2 | V | % | 1 | 0.100 | 0.100 | BGA3870 | 02/01/2023 12:00 | JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6A-S
Lab Sample ID: 23A1459-54RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/25/2023 8:00
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <3.12U | ug/kg dry | 1 | 3.12 | 6.23 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <3.12U | ug/kg dry | 1 | 3.12 | 6.23 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <3.12U | ug/kg dry | 1 | 3.12 | 6.23 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <3.12U | ug/kg dry | 1 | 3.12 | 6.23 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <3.12U | ug/kg dry | 1 | 3.12 | 6.23 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <12.5U | ug/kg dry | 1 | 12.5 | 24.9 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <3.12U | ug/kg dry | 1 | 3.12 | 6.23 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <3.12U | ug/kg dry | 1 | 3.12 | 6.23 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Benzo(b)fluoranthene (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Benzo(k)fluoranthene (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.56U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6A-S (Continued)
Lab Sample ID: 23A1459-54RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/25/2023 8:00
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | <1.56 | B, U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.56 | C+, U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <3.12 | U | ug/kg dry | 1 | 3.12 | 6.23 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | <3.12 | U | ug/kg dry | 1 | 3.12 | 6.23 | BGB0288 | 02/27/2023 18:30 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.56 | U | ug/kg dry | 1 | 1.56 | 3.12 | BGB0288 | 02/27/2023 18:30 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *35.0%* | *S* | *60-140* | | | | | *02/27/2023 18:30* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *55.9%* | *S* | *60-140* | | | | | *02/27/2023 18:30* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *47.5%* | *S* | *60-140* | | | | | *02/27/2023 18:30* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *47.8%* | *S* | *60-140* | | | | | *02/27/2023 18:30* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *58.4%* | *S* | *60-140* | | | | | *02/27/2023 18:30* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *45.6%* | *S* | *60-140* | | | | | *02/27/2023 18:30* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6B-S
Lab Sample ID: 23A1459-55
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/23/2023 16:00
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.50U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/09/2023 22:22 | KRB |
| SW-8270 | Benzidine | A | <1.50U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/09/2023 22:22 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *53.6% S* | *60-140* | | | | | *02/09/2023 22:22* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *81.9%* | *60-140* | | | | | *02/09/2023 22:22* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *94.3%* | *60-140* | | | | | *02/09/2023 22:22* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *83.2%* | *60-140* | | | | | *02/09/2023 22:22* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *89.7%* | *60-140* | | | | | *02/09/2023 22:22* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *60.4%* | *60-140* | | | | | *02/09/2023 22:22* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Aldrin | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | delta-BHC | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Dieldrin | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Endosulfan I | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Endosulfan II | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Endrin | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Endrin ketone | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Heptachlor | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Methoxychlor | A | <0.360U | ug/kg dry | 10 | 0.360 | 1.20 | BGB0044 | 02/08/2023 03:03 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <18.0C+, U | ug/kg dry | 10 | 18.0 | 18.0 | BGB0044 | 02/08/2023 03:03 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *93.6%* | *60-140* | | | | | *02/08/2023 03:03* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6B-S (Continued)
Lab Sample ID: 23A1459-55
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/23/2023 16:00
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *110%* | | *60-140* | | | | | *02/08/2023 03:03* | |
| SW-8082 | PCBs, Total | A | <1.20 | C+, U | ug/kg dry | 1 | 1.20 | 2.40 | BGB1177 | 02/25/2023 04:43 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *100%* | | *60-140* | | | | | *02/25/2023 04:43* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *108%* | | *60-140* | | | | | *02/25/2023 04:43* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.0243 | U | mg/kg dry | 1 | 0.0243 | 0.0486 | BGB0820 | 02/07/2023 14:18 | JLK |
| EPA 200.8 | Arsenic | A | 1.08 | | mg/kg dry | 5 | 0.0121 | 0.121 | BGB0820 | 02/27/2023 11:32 | TBB |
| EPA 200.8 | Beryllium | A | 0.447 | | mg/kg dry | 5 | 0.00243 | 0.0485 | BGB0820 | 02/27/2023 15:56 | TBB |
| EPA 200.8 | Cadmium | A | 0.00849 | J | mg/kg dry | 1 | 0.00243 | 0.0486 | BGB0820 | 02/07/2023 14:18 | JLK |
| EPA 200.8 | Chromium | A | 4.25 | | mg/kg dry | 1 | 0.00728 | 0.146 | BGB0820 | 02/07/2023 14:18 | JLK |
| EPA 200.8 | Copper | A | 5.09 | V | mg/kg dry | 1 | 0.00970 | 0.0486 | BGB0820 | 02/08/2023 11:21 | TBB |
| Calc | Chromium (III) | | 3.63 | J | mg/kg (dry wt) dry | 1 | 0.127 | 5.15 | [CALC] | 02/07/2023 14:18 | EM |
| SW-7196 | Chromium (VI) | A | 0.616 | J | mg/kg dry | 1 | 0.119 | 5.00 | BGA3845 | 01/31/2023 17:20 | EM |
| SW-7471B | Mercury | A | 0.0135 | J | mg/kg dry | 1 | 0.00992 | 0.0198 | BGB1025 | 02/08/2023 16:38 | AKR |
| EPA 200.8 | Lead | A | 3.63 | | mg/kg dry | 1 | 0.00243 | 0.0243 | BGB0820 | 02/07/2023 14:18 | JLK |
| EPA 200.8 | Nickel | A | 4.55 | | mg/kg dry | 1 | 0.0486 | 0.0486 | BGB0820 | 02/07/2023 14:18 | JLK |
| EPA 200.8 | Selenium | A | 1.29 | | mg/kg dry | 1 | 0.0486 | 0.0970 | BGB0820 | 02/08/2023 11:21 | TBB |
| EPA 200.8 | Silver | A | 0.00262 | J | mg/kg dry | 1 | 0.00121 | 0.0243 | BGB0820 | 02/07/2023 14:18 | JLK |
| EPA 200.8 | Thallium | A | 0.0643 | | mg/kg dry | 1 | 0.00121 | 0.0243 | BGB0820 | 02/07/2023 14:18 | JLK |
| EPA 200.8 | Zinc | A | 12.7 | | mg/kg dry | 1 | 0.0486 | 0.0970 | BGB0820 | 02/07/2023 14:18 | JLK |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0300 | U | mg/kg dry | 1 | 0.0300 | 0.0600 | BGB0157 | 02/02/2023 17:58 | GJG |
| EPA 350.2 | Ammonia as N | A | <5.99 | U | mg/kg dry | 1 | 5.99 | 12.0 | BGB0953 | 02/08/2023 09:15 | GIW |
| SW-9045C | pH | A | 8.90 | H | pH Units @ 25 °C | 1 | | 0.100 | BGA3958 | 01/31/2023 12:52 | AKA |
| SM 2540 G | % Solids | A | 83.3 | V | % | 1 | 0.100 | 0.100 | BGA3870 | 02/01/2023 12:00 | JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-06-6B-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 23A1459-55RE1 | Date Collected: | 01/23/2023 16:00 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <3.00 | U | ug/kg dry | 1 | 3.00 | 6.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <3.00 | U | ug/kg dry | 1 | 3.00 | 6.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <3.00 | U | ug/kg dry | 1 | 3.00 | 6.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <3.00 | U | ug/kg dry | 1 | 3.00 | 6.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <3.00 | U | ug/kg dry | 1 | 3.00 | 6.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <12.0 | U | ug/kg dry | 1 | 12.0 | 24.0 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <3.00 | U | ug/kg dry | 1 | 3.00 | 6.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <3.00 | U | ug/kg dry | 1 | 3.00 | 6.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Benzo(b)fluoranthene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Benzo(k)fluoranthene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6B-S (Continued)
Lab Sample ID: 23A1459-55RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/23/2023 16:00
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | <1.50 | B, U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.50 | C+, U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <3.00 | U | ug/kg dry | 1 | 3.00 | 6.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | <3.00 | U | ug/kg dry | 1 | 3.00 | 6.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.50 | U | ug/kg dry | 1 | 1.50 | 3.00 | BGB0288 | 02/27/2023 20:15 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *32.0%* | *S* | *60-140* | | | | | *02/27/2023 20:15* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *54.6%* | *S* | *60-140* | | | | | *02/27/2023 20:15* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *45.8%* | *S* | *60-140* | | | | | *02/27/2023 20:15* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *48.7%* | *S* | *60-140* | | | | | *02/27/2023 20:15* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *57.9%* | *S* | *60-140* | | | | | *02/27/2023 20:15* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *38.3%* | *S* | *60-140* | | | | | *02/27/2023 20:15* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6C-S
Lab Sample ID: 23A1459-56
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/23/2023 13:05
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/09/2023 22:57 | KRB |
| SW-8270 | Benzidine | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/09/2023 22:57 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *48.6% S* | *60-140* | | | | | *02/09/2023 22:57* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *79.6%* | *60-140* | | | | | *02/09/2023 22:57* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *81.0%* | *60-140* | | | | | *02/09/2023 22:57* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *81.0%* | *60-140* | | | | | *02/09/2023 22:57* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *88.0%* | *60-140* | | | | | *02/09/2023 22:57* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *34.9% S* | *60-140* | | | | | *02/09/2023 22:57* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Aldrin | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | delta-BHC | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Dieldrin | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Endosulfan I | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Endosulfan II | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Endrin | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Endrin ketone | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Heptachlor | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Methoxychlor | A | <0.370U | ug/kg dry | 10 | 0.370 | 1.23 | BGB0044 | 02/08/2023 03:30 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <18.5C+, U | ug/kg dry | 10 | 18.5 | 18.5 | BGB0044 | 02/08/2023 03:30 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *88.2%* | *60-140* | | | | | *02/08/2023 03:30* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6C-S (Continued)
Lab Sample ID: 23A1459-56
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/23/2023 13:05
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *104%* | | *60-140* | | | | | *02/08/2023 03:30* | |
| SW-8082 | PCBs, Total | A | <1.23 | C+, U | ug/kg dry | 1 | 1.23 | 2.47 | BGB1177 | 02/25/2023 05:07 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *96.2%* | | *60-140* | | | | | *02/25/2023 05:07* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *114%* | | *60-140* | | | | | *02/25/2023 05:07* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.0256 | U | mg/kg dry | 1 | 0.0256 | 0.0513 | BGB0820 | 02/07/2023 14:23 | JLK |
| EPA 200.8 | Arsenic | A | 3.11 | | mg/kg dry | 5 | 0.0128 | 0.128 | BGB0820 | 02/27/2023 10:38 | TBB |
| EPA 200.8 | Beryllium | A | 0.587 | | mg/kg dry | 5 | 0.00256 | 0.0511 | BGB0820 | 02/27/2023 17:14 | TBB |
| EPA 200.8 | Cadmium | A | 0.0147 | J | mg/kg dry | 1 | 0.00256 | 0.0513 | BGB0820 | 02/07/2023 14:23 | JLK |
| EPA 200.8 | Chromium | A | 5.70 | | mg/kg dry | 1 | 0.00767 | 0.153 | BGB0820 | 02/07/2023 14:23 | JLK |
| EPA 200.8 | Copper | A | 4.69 | V | mg/kg dry | 1 | 0.0102 | 0.0513 | BGB0820 | 02/08/2023 11:26 | TBB |
| Calc | Chromium (III) | | 5.26 | | mg/kg (dry wt) dry | 1 | 0.130 | 5.15 | [CALC] | 02/07/2023 14:23 | EM |
| SW-7196 | Chromium (VI) | A | 0.439 | J | mg/kg dry | 1 | 0.123 | 5.00 | BGA3845 | 01/31/2023 17:21 | EM |
| SW-7471B | Mercury | A | <0.00994 | U | mg/kg dry | 1 | 0.00994 | 0.0199 | BGB1927 | 02/15/2023 13:26 | AKR |
| EPA 200.8 | Lead | A | 7.55 | | mg/kg dry | 5 | 0.0128 | 0.128 | BGB0820 | 02/07/2023 14:25 | JLK |
| EPA 200.8 | Nickel | A | 10.0 | | mg/kg dry | 1 | 0.0513 | 0.0513 | BGB0820 | 02/07/2023 14:23 | JLK |
| EPA 200.8 | Selenium | A | 1.16 | | mg/kg dry | 1 | 0.0513 | 0.102 | BGB0820 | 02/08/2023 11:26 | TBB |
| EPA 200.8 | Silver | A | 0.00384 | J | mg/kg dry | 1 | 0.00128 | 0.0256 | BGB0820 | 02/07/2023 14:23 | JLK |
| EPA 200.8 | Thallium | A | 0.0643 | | mg/kg dry | 1 | 0.00128 | 0.0256 | BGB0820 | 02/07/2023 14:23 | JLK |
| EPA 200.8 | Zinc | A | 17.9 | | mg/kg dry | 1 | 0.0513 | 0.102 | BGB0820 | 02/07/2023 14:23 | JLK |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0309 | U | mg/kg dry | 1 | 0.0309 | 0.0617 | BGB0157 | 02/02/2023 17:59 | GJG |
| EPA 350.2 | Ammonia as N | A | <6.11 | U | mg/kg dry | 1 | 6.11 | 12.2 | BGB1156 | 02/09/2023 09:45 | GIW |
| SW-9045C | pH | A | 8.60 | H | pH Units @ 25 °C | 1 | | 0.100 | BGA3958 | 01/31/2023 12:52 | AKA |
| SM 2540 G | % Solids | A | 81.0 | V | % | 1 | 0.100 | 0.100 | BGA3870 | 02/01/2023 12:00 | JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6C-S
Lab Sample ID: 23A1459-56RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/23/2023 13:05
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <3.09 | U | ug/kg dry | 1 | 3.09 | 6.17 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <3.09 | U | ug/kg dry | 1 | 3.09 | 6.17 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <3.09 | U | ug/kg dry | 1 | 3.09 | 6.17 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <3.09 | U | ug/kg dry | 1 | 3.09 | 6.17 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <3.09 | U | ug/kg dry | 1 | 3.09 | 6.17 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <12.3 | U | ug/kg dry | 1 | 12.3 | 24.7 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <3.09 | U | ug/kg dry | 1 | 3.09 | 6.17 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <3.09 | U | ug/kg dry | 1 | 3.09 | 6.17 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Benzo(b)fluoranthene (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Benzo(k)fluoranthene (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.54 | U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-06-6C-S (Continued)
Lab Sample ID: 23A1459-56RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/23/2023 13:05
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | <1.54B, U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.54C+, U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <3.09U | ug/kg dry | 1 | 3.09 | 6.17 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 6.52 | ug/kg dry | 1 | 3.09 | 6.17 | BGB0288 | 02/27/2023 20:50 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.54U | ug/kg dry | 1 | 1.54 | 3.09 | BGB0288 | 02/27/2023 20:50 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *31.0% S* | *60-140* | | | | | *02/27/2023 20:50* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *50.0% S* | *60-140* | | | | | *02/27/2023 20:50* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *42.8% S* | *60-140* | | | | | *02/27/2023 20:50* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *44.4% S* | *60-140* | | | | | *02/27/2023 20:50* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *53.6% S* | *60-140* | | | | | *02/27/2023 20:50* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *23.2% S* | *60-140* | | | | | *02/27/2023 20:50* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7A-S
Lab Sample ID: 23A1459-58
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 10:00
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/14/2023 03:16 | KRB |
| SW-8270 | Benzidine | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/14/2023 03:16 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *84.6%* | | *60-140* | | | | | *02/14/2023 03:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *121%* | | *60-140* | | | | | *02/14/2023 03:16* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *147%* | *S* | *60-140* | | | | | *02/14/2023 03:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *131%* | | *60-140* | | | | | *02/14/2023 03:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *152%* | *S* | *60-140* | | | | | *02/14/2023 03:16* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *72.7%* | | *60-140* | | | | | *02/14/2023 03:16* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <1.15 | U | ug/kg dry | 1 | 1.15 | 2.30 | BGA3651 | 02/11/2023 20:34 | cdg |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *130%* | | *60-140* | | | | | *02/11/2023 20:34* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *104%* | | *60-140* | | | | | *02/11/2023 20:34* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.0245 | U | mg/kg dry | 1 | 0.0245 | 0.0491 | BGA3233 | 01/31/2023 17:02 | TBB |
| EPA 200.8 | Arsenic | A | 0.462 | | mg/kg dry | 1 | 0.00245 | 0.0245 | BGA3233 | 01/31/2023 17:02 | TBB |
| EPA 200.8 | Beryllium | A | 0.280 | | mg/kg dry | 1 | 0.000491 | 0.00980 | BGA3233 | 02/01/2023 11:28 | TBB |
| EPA 200.8 | Cadmium | A | 0.00525 | J | mg/kg dry | 1 | 0.00245 | 0.0491 | BGA3233 | 01/31/2023 17:02 | TBB |
| EPA 200.8 | Chromium | A | 5.04 | V | mg/kg dry | 1 | 0.00736 | 0.147 | BGA3233 | 01/31/2023 17:02 | TBB |
| EPA 200.8 | Copper | A | 5.41 | V | mg/kg dry | 1 | 0.00980 | 0.0491 | BGA3233 | 02/01/2023 13:57 | TBB |
| Calc | Chromium (III) | | 4.68 | J | mg/kg (dry wt) dry | 1 | 0.121 | 5.15 | [CALC] | 01/31/2023 17:22 | EM |
| SW-7196 | Chromium (VI) | A | 0.356 | J | mg/kg dry | 1 | 0.114 | 5.00 | BGA3845 | 01/31/2023 17:22 | EM |
| SW-7471B | Mercury | A | <0.00996 | U | mg/kg dry | 1 | 0.00996 | 0.0199 | BGB0014 | 02/01/2023 16:00 | AKR |
| EPA 200.8 | Lead | A | 3.74 | | mg/kg dry | 1 | 0.00245 | 0.0245 | BGA3233 | 01/31/2023 17:02 | TBB |
| EPA 200.8 | Nickel | A | 3.22 | | mg/kg dry | 1 | 0.0491 | 0.0491 | BGA3233 | 01/31/2023 17:02 | TBB |
| EPA 200.8 | Selenium | A | 0.778 | | mg/kg dry | 1 | 0.0491 | 0.0980 | BGA3233 | 02/01/2023 11:28 | TBB |
| EPA 200.8 | Silver | A | 0.00589 | J | mg/kg dry | 1 | 0.00123 | 0.0245 | BGA3233 | 01/31/2023 17:02 | TBB |
| EPA 200.8 | Thallium | A | 0.0464 | | mg/kg dry | 1 | 0.00123 | 0.0245 | BGA3233 | 01/31/2023 17:02 | TBB |
| EPA 200.8 | Zinc | A | 9.43 | | mg/kg dry | 1 | 0.0491 | 0.0980 | BGA3233 | 02/01/2023 11:28 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0290 | U | mg/kg dry | 1 | 0.0290 | 0.0580 | BGA3582 | 01/27/2023 17:37 | GJG |
| EPA 350.2 | Ammonia as N | A | <5.89 | U | mg/kg dry | 1 | 5.89 | 11.8 | BGB1156 | 02/09/2023 09:45 | GIW |
| SW-9045C | pH | A | 8.12 | H | pH Units @ 25 °C | 1 | | 0.100 | BGA3071 | 01/24/2023 13:11 | AKA |
| SM 2540 G | % Solids | A | 84.5 | V | % | 1 | 0.100 | 0.100 | BGA3093 | 01/25/2023 11:53 | JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7A-S
Lab Sample ID: 23A1459-58RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 10:00
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.67 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.67 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.67 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <2.84 | C+, U | ug/kg dry | 1 | 2.84 | 5.67 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.42 | C+, U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.67 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <11.3 | U | ug/kg dry | 1 | 11.3 | 22.7 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.67 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.67 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7A-S (Continued)
Lab Sample ID: 23A1459-58RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 10:00
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 2.35 | V, J | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 1.60 | V, J | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 10.3 | V | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.67 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | <2.84 | U | ug/kg dry | 1 | 2.84 | 5.67 | BGA3368 | 02/28/2023 04:20 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 02/28/2023 04:20 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *45.8%* | *S* | *60-140* | | | | | *02/28/2023 04:20* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *68.2%* | | *60-140* | | | | | *02/28/2023 04:20* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *64.1%* | | *60-140* | | | | | *02/28/2023 04:20* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *67.3%* | | *60-140* | | | | | *02/28/2023 04:20* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *68.9%* | | *60-140* | | | | | *02/28/2023 04:20* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *43.5%* | *S* | *60-140* | | | | | *02/28/2023 04:20* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7A-S (Continued)
Lab Sample ID: 23A1459-58RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 10:00
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDE (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | 4,4'-DDT (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Aldrin (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) (Rerun) | A | <0.695 | C+, U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Chlordane (tech.) (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | delta-BHC (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Dieldrin (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Endosulfan I (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Endosulfan II (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Endosulfan sulfate (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Endrin (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Endrin aldehyde (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Endrin ketone (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | gamma-Chlordane (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Heptachlor (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Heptachlor epoxide (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Methoxychlor (Rerun) | A | <0.695 | U | ug/kg dry | 20 | 0.695 | 2.32 | BGA3603 | 02/10/2023 04:31 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) (Rerun) | A | <34.7 | U | ug/kg dry | 20 | 34.7 | 34.7 | BGA3603 | 02/10/2023 04:31 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *119%* | | *60-140* | | | | | *02/10/2023 04:31* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr (Rerun)* | | *114%* | | *60-140* | | | | | *02/10/2023 04:31* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-07-7A-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 23A1459-58RE2 | Date Collected: | 01/21/2023 10:00 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.42 | U | ug/kg dry | 1 | 1.42 | 2.84 | BGA3368 | 03/07/2023 05:08 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *55.8%* | *S* | *60-140* | | | | | *03/07/2023 05:08* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *76.0%* | | *60-140* | | | | | *03/07/2023 05:08* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *77.7%* | | *60-140* | | | | | *03/07/2023 05:08* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *78.5%* | | *60-140* | | | | | *03/07/2023 05:08* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *72.7%* | | *60-140* | | | | | *03/07/2023 05:08* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *59.2%* | *S* | *60-140* | | | | | *03/07/2023 05:08* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7C-S
Lab Sample ID: 23A1459-59
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 15:10
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/14/2023 03:50 | KRB |
| SW-8270 | Benzidine | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/14/2023 03:50 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *175%* | *S* | *60-140* | | | | | *02/14/2023 03:50* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *134%* | | *60-140* | | | | | *02/14/2023 03:50* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *207%* | *S* | *60-140* | | | | | *02/14/2023 03:50* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *171%* | *S* | *60-140* | | | | | *02/14/2023 03:50* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *288%* | *S* | *60-140* | | | | | *02/14/2023 03:50* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *120%* | | *60-140* | | | | | *02/14/2023 03:50* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <1.18 | U | ug/kg dry | 1 | 1.18 | 2.36 | BGA3651 | 02/11/2023 21:01 | cdg |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *141%* | *S* | *60-140* | | | | | *02/11/2023 21:01* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *103%* | | *60-140* | | | | | *02/11/2023 21:01* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.0259 | U | mg/kg dry | 1 | 0.0259 | 0.0520 | BGA3233 | 01/31/2023 17:04 | TBB |
| EPA 200.8 | Arsenic | A | 1.87 | | mg/kg dry | 1 | 0.00259 | 0.0259 | BGA3233 | 01/31/2023 17:04 | TBB |
| EPA 200.8 | Beryllium | A | 0.465 | | mg/kg dry | 1 | 0.000520 | 0.0104 | BGA3233 | 02/01/2023 11:31 | TBB |
| EPA 200.8 | Cadmium | A | 0.0199 | J | mg/kg dry | 1 | 0.00259 | 0.0520 | BGA3233 | 01/31/2023 17:04 | TBB |
| EPA 200.8 | Chromium | A | 5.00 | V | mg/kg dry | 1 | 0.00778 | 0.156 | BGA3233 | 01/31/2023 17:04 | TBB |
| EPA 200.8 | Copper | A | 7.21 | V | mg/kg dry | 1 | 0.0104 | 0.0520 | BGA3233 | 02/01/2023 15:06 | TBB |
| Calc | Chromium (III) | | 4.76 | J | mg/kg (dry wt) dry | 1 | 0.128 | 5.16 | [CALC] | 01/31/2023 17:23 | EM |
| SW-7196 | Chromium (VI) | A | 0.241 | J | mg/kg dry | 1 | 0.120 | 5.00 | BGA3845 | 01/31/2023 17:23 | EM |
| SW-7471B | Mercury | A | 0.0199 | | mg/kg dry | 1 | 0.00990 | 0.0198 | BGB0014 | 02/01/2023 16:04 | AKR |
| EPA 200.8 | Lead | A | 7.37 | | mg/kg dry | 5 | 0.0130 | 0.130 | BGA3233 | 02/01/2023 11:33 | TBB |
| EPA 200.8 | Nickel | A | 8.30 | | mg/kg dry | 1 | 0.0520 | 0.0520 | BGA3233 | 01/31/2023 17:04 | TBB |
| EPA 200.8 | Selenium | A | 1.51 | | mg/kg dry | 1 | 0.0520 | 0.104 | BGA3233 | 02/01/2023 11:31 | TBB |
| EPA 200.8 | Silver | A | 0.00571 | J | mg/kg dry | 1 | 0.00130 | 0.0259 | BGA3233 | 01/31/2023 17:04 | TBB |
| EPA 200.8 | Thallium | A | 0.0744 | | mg/kg dry | 1 | 0.00130 | 0.0259 | BGA3233 | 01/31/2023 17:04 | TBB |
| EPA 200.8 | Zinc | A | 18.0 | | mg/kg dry | 1 | 0.0520 | 0.104 | BGA3233 | 02/01/2023 11:31 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0307 | U | mg/kg dry | 1 | 0.0307 | 0.0613 | BGA3582 | 01/27/2023 17:37 | GJG |
| EPA 350.2 | Ammonia as N | A | 8.03 | J | mg/kg dry | 1 | 6.24 | 12.5 | BGB1156 | 02/09/2023 09:45 | GIW |
| SW-9045C | pH | A | 7.91 | H | pH Units @ 25 °C | 1 | | 0.100 | BGA3071 | 01/24/2023 13:11 | AKA |
| SM 2540 G | % Solids | A | 79.9 | V | % | 1 | 0.100 | 0.100 | BGA3093 | 01/25/2023 11:53 | JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7C-S
Lab Sample ID: 23A1459-59RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 15:10
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <3.07 | U | ug/kg dry | 1 | 3.07 | 6.13 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <3.07 | U | ug/kg dry | 1 | 3.07 | 6.13 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <3.07 | U | ug/kg dry | 1 | 3.07 | 6.13 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <3.07 | C+, U | ug/kg dry | 1 | 3.07 | 6.13 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.53 | C+, U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <3.07 | U | ug/kg dry | 1 | 3.07 | 6.13 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <12.3 | U | ug/kg dry | 1 | 12.3 | 24.5 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <3.07 | U | ug/kg dry | 1 | 3.07 | 6.13 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <3.07 | U | ug/kg dry | 1 | 3.07 | 6.13 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7C-S (Continued)
Lab Sample ID: 23A1459-59RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 15:10
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 5.27V | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 1.65V, J | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 10.5V | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | 3.38 | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <3.07U | ug/kg dry | 1 | 3.07 | 6.13 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 10.2 | ug/kg dry | 1 | 3.07 | 6.13 | BGA3368 | 02/28/2023 04:54 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 02/28/2023 04:54 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *68.8%* | *60-140* | | | | | *02/28/2023 04:54* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *70.1%* | *60-140* | | | | | *02/28/2023 04:54* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *69.0%* | *60-140* | | | | | *02/28/2023 04:54* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *58.2% S* | *60-140* | | | | | *02/28/2023 04:54* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *71.4%* | *60-140* | | | | | *02/28/2023 04:54* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *59.5% S* | *60-140* | | | | | *02/28/2023 04:54* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8081 | 4,4'-DDD (Rerun) | A | <0.724U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-07-7C-S (Continued)
Lab Sample ID: 23A1459-59RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 15:10
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDE (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | 4,4'-DDT (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Aldrin (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) (Rerun) | A | <0.724 | C+, U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Chlordane (tech.) (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | delta-BHC (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Dieldrin (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Endosulfan I (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Endosulfan II (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Endosulfan sulfate (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Endrin (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Endrin aldehyde (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Endrin ketone (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | gamma-Chlordane (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Heptachlor (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Heptachlor epoxide (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Methoxychlor (Rerun) | A | <0.724 | U | ug/kg dry | 20 | 0.724 | 2.41 | BGA3603 | 02/10/2023 05:24 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) (Rerun) | A | <36.2 | U | ug/kg dry | 20 | 36.2 | 36.2 | BGA3603 | 02/10/2023 05:24 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *129%* | | *60-140* | | | | | *02/10/2023 05:24* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr (Rerun)* | | *122%* | | *60-140* | | | | | *02/10/2023 05:24* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-07-7C-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 23A1459-59RE2 | Date Collected: | 01/21/2023 15:10 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.07 | BGA3368 | 03/07/2023 05:43 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *84.8%* | | *60-140* | | | | | *03/07/2023 05:43* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *77.9%* | | *60-140* | | | | | *03/07/2023 05:43* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *81.3%* | | *60-140* | | | | | *03/07/2023 05:43* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *71.4%* | | *60-140* | | | | | *03/07/2023 05:43* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *74.8%* | | *60-140* | | | | | *03/07/2023 05:43* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *68.7%* | | *60-140* | | | | | *03/07/2023 05:43* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-S
Lab Sample ID: 23A1459-60
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 11:45
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/14/2023 04:25 | KRB |
| SW-8270 | Benzidine | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/14/2023 04:25 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *99.8%* | *60-140* | | | | | *02/14/2023 04:25* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *126%* | *60-140* | | | | | *02/14/2023 04:25* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *169% S* | *60-140* | | | | | *02/14/2023 04:25* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *137%* | *60-140* | | | | | *02/14/2023 04:25* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *148% S* | *60-140* | | | | | *02/14/2023 04:25* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *70.7%* | *60-140* | | | | | *02/14/2023 04:25* | |
| **Organics by GC** | | | | | | | | | | |
| SW-8082 | PCBs, Total | A | <1.20U | ug/kg dry | 1 | 1.20 | 2.40 | BGA3651 | 02/11/2023 21:27 | cdg |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *128%* | *60-140* | | | | | *02/11/2023 21:27* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *105%* | *60-140* | | | | | *02/11/2023 21:27* | |
| **Metals, Total** | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.0253U | mg/kg dry | 1 | 0.0253 | 0.0508 | BGA3233 | 01/31/2023 17:07 | TBB |
| EPA 200.8 | Arsenic | A | 0.371 | mg/kg dry | 1 | 0.00253 | 0.0253 | BGA3233 | 01/31/2023 17:07 | TBB |
| EPA 200.8 | Beryllium | A | 0.331 | mg/kg dry | 1 | 0.000508 | 0.0101 | BGA3233 | 02/01/2023 11:36 | TBB |
| EPA 200.8 | Cadmium | A | 0.0161J | mg/kg dry | 1 | 0.00253 | 0.0508 | BGA3233 | 01/31/2023 17:07 | TBB |
| EPA 200.8 | Chromium | A | 4.31V | mg/kg dry | 1 | 0.00761 | 0.152 | BGA3233 | 01/31/2023 17:07 | TBB |
| EPA 200.8 | Copper | A | 17.5V | mg/kg dry | 5 | 0.0507 | 0.254 | BGA3233 | 02/01/2023 15:11 | TBB |
| Calc | Chromium (III) | | 4.14J | mg/kg (dry wt) dry | 1 | 0.127 | 5.15 | [CALC] | 01/31/2023 17:07 | EM |
| SW-7196 | Chromium (VI) | A | 0.165J | mg/kg dry | 1 | 0.119 | 5.00 | BGA3845 | 01/31/2023 17:00 | EM |
| SW-7471B | Mercury | A | 0.0118J | mg/kg dry | 1 | 0.00990 | 0.0198 | BGB0014 | 02/01/2023 16:07 | AKR |
| EPA 200.8 | Lead | A | 9.18 | mg/kg dry | 5 | 0.0127 | 0.127 | BGA3233 | 02/01/2023 11:38 | TBB |
| EPA 200.8 | Nickel | A | 3.72 | mg/kg dry | 1 | 0.0508 | 0.0508 | BGA3233 | 01/31/2023 17:07 | TBB |
| EPA 200.8 | Selenium | A | 0.860 | mg/kg dry | 1 | 0.0508 | 0.101 | BGA3233 | 02/01/2023 11:36 | TBB |
| EPA 200.8 | Silver | A | 0.0174J | mg/kg dry | 1 | 0.00127 | 0.0253 | BGA3233 | 01/31/2023 17:07 | TBB |
| EPA 200.8 | Thallium | A | 0.0575 | mg/kg dry | 1 | 0.00127 | 0.0253 | BGA3233 | 01/31/2023 17:07 | TBB |
| EPA 200.8 | Zinc | A | 12.3 | mg/kg dry | 1 | 0.0508 | 0.101 | BGA3233 | 02/01/2023 11:36 | TBB |
| **General Chemistry** | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0295U | mg/kg dry | 1 | 0.0295 | 0.0590 | BGA3582 | 01/27/2023 17:38 | GJG |
| EPA 350.2 | Ammonia as N | A | <6.11U | mg/kg dry | 1 | 6.11 | 12.2 | BGB1156 | 02/09/2023 09:45 | GIW |
| SW-9045C | pH | A | 8.22H | pH Units @ 25 °C | 1 | | 0.100 | BGA3071 | 01/24/2023 13:11 | AKA |
| SM 2540 G | % Solids | A | 81.5V | % | 1 | 0.100 | 0.100 | BGA3093 | 01/25/2023 11:53 | JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-S
Lab Sample ID: 23A1459-60RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 11:45
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <3.05U | ug/kg dry | 1 | 3.05 | 6.10 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <3.05U | ug/kg dry | 1 | 3.05 | 6.10 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <3.05U | ug/kg dry | 1 | 3.05 | 6.10 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <3.05C+, U | ug/kg dry | 1 | 3.05 | 6.10 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.53C+, U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <3.05U | ug/kg dry | 1 | 3.05 | 6.10 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <12.2U | ug/kg dry | 1 | 12.2 | 24.4 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <3.05U | ug/kg dry | 1 | 3.05 | 6.10 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <3.05U | ug/kg dry | 1 | 3.05 | 6.10 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.53U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-S (Continued)
Lab Sample ID: 23A1459-60RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 11:45
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 1.87 | V, J | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | <1.53 | B, U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 9.01 | V | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <3.05 | U | ug/kg dry | 1 | 3.05 | 6.10 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | <3.05 | U | ug/kg dry | 1 | 3.05 | 6.10 | BGA3368 | 02/28/2023 05:29 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 02/28/2023 05:29 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *50.6%* | *S* | *60-140* | | | | | *02/28/2023 05:29* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *75.7%* | | *60-140* | | | | | *02/28/2023 05:29* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *73.6%* | | *60-140* | | | | | *02/28/2023 05:29* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *69.7%* | | *60-140* | | | | | *02/28/2023 05:29* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *63.5%* | | *60-140* | | | | | *02/28/2023 05:29* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *40.8%* | *S* | *60-140* | | | | | *02/28/2023 05:29* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-S (Continued)
Lab Sample ID: 23A1459-60RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/21/2023 11:45
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDE (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | 4,4'-DDT (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Aldrin (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) (Rerun) | A | <0.705 | C+, U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Chlordane (tech.) (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | delta-BHC (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Dieldrin (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Endosulfan I (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Endosulfan II (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Endosulfan sulfate (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Endrin (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Endrin aldehyde (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Endrin ketone (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | gamma-Chlordane (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Heptachlor (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Heptachlor epoxide (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Methoxychlor (Rerun) | A | <0.705 | U | ug/kg dry | 20 | 0.705 | 2.35 | BGA3603 | 02/10/2023 06:18 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) (Rerun) | A | <35.2 | U | ug/kg dry | 20 | 35.2 | 35.2 | BGA3603 | 02/10/2023 06:18 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *140%* | | *60-140* | | | | | *02/10/2023 06:18* | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr (Rerun)* | | *129%* | | *60-140* | | | | | *02/10/2023 06:18* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-DUP-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 23A1459-60RE2 | Date Collected: | 01/21/2023 11:45 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.53 | U | ug/kg dry | 1 | 1.53 | 3.05 | BGA3368 | 03/07/2023 06:17 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *58.8%* | *S* | *60-140* | | | | | *03/07/2023 06:17* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *76.6%* | | *60-140* | | | | | *03/07/2023 06:17* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *100%* | | *60-140* | | | | | *03/07/2023 06:17* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *85.5%* | | *60-140* | | | | | *03/07/2023 06:17* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *78.2%* | | *60-140* | | | | | *03/07/2023 06:17* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *57.8%* | *S* | *60-140* | | | | | *03/07/2023 06:17* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: ODMDS-W
Lab Sample ID: 23A1459-62
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 01/27/2023 13:10
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/08/2023 02:42 | KRB |
| SW-8270 | Benzidine | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/08/2023 02:42 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *99.1%* | | *54.6-148* | | | | | *02/08/2023 02:42* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *117%* | | *55-152* | | | | | *02/08/2023 02:42* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *151%* | *S* | *52.4-136* | | | | | *02/08/2023 02:42* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *122%* | | *52-162* | | | | | *02/08/2023 02:42* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *117%* | | *58.7-152* | | | | | *02/08/2023 02:42* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *83.4%* | | *51.9-147* | | | | | *02/08/2023 02:42* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Aldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00600 | C+, U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | delta-BHC | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Dieldrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Endosulfan I | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Endosulfan II | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Endrin | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Endrin ketone | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Heptachlor | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Methoxychlor | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.00600 | BGA3839 | 02/07/2023 00:03 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.300 | U | ug/L | 1 | 0.300 | 0.300 | BGA3839 | 02/07/2023 00:03 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *113%* | | *60-140* | | | | | *02/07/2023 00:03* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: ODMDS-W (Continued)
Lab Sample ID: 23A1459-62
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 01/27/2023 13:10
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *75.9%* | | *60-140* | | | | | *02/07/2023 00:03* | |
| SW-8082 | PCBs, Total | A | <0.00600 | U | ug/L | 1 | 0.00600 | 0.120 | BGB0277 | 02/11/2023 09:57 | cdg |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *102%* | | *60-140* | | | | | *02/11/2023 09:57* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *56.4%* | *S* | *60-140* | | | | | *02/11/2023 09:57* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BGA3813 | 01/30/2023 15:36 | NAZ |
| EPA 200.8 | Selenium | A | <1.65 | U | ug/L | 5 | 1.65 | 10.0 | BGB1605 | 02/22/2023 15:27 | TBB |
| **Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <1.00 | U | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/22/2023 11:46 | TBB |
| EPA 200.8 | Arsenic | A | 1.56 | J | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/22/2023 11:46 | TBB |
| EPA 200.8 | Beryllium | A | <0.0500 | U | ug/L | 5 | 0.0500 | 1.00 | BGB0721 | 02/28/2023 15:59 | TBB |
| EPA 200.8 | Cadmium | A | <0.250 | U | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/22/2023 11:46 | TBB |
| EPA 200.8 | Chromium | A | <0.400 | U | ug/L | 5 | 0.400 | 15.0 | BGB0721 | 02/14/2023 17:31 | TBB |
| EPA 200.8 | Copper | A | <1.00 | U | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/14/2023 17:31 | TBB |
| Calc | Chromium (III) | | <1.90 | U | ug/L | 5 | 1.90 | 18.0 | [CALC] | 02/15/2023 14:49 | SAB |
| SM 3500-Cr B | Chromium (VI) | A | 9.69 | | ug/L | 1 | 1.50 | 3.00 | BGB2104 | 02/15/2023 14:49 | SAB |
| EPA 200.8 | Lead | A | <0.500 | U | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/08/2023 16:44 | JLK |
| EPA 200.8 | Nickel | A | <0.250 | U | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/14/2023 17:31 | TBB |
| EPA 200.8 | Silver | A | <0.150 | U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 03/01/2023 10:08 | TBB |
| EPA 200.8 | Thallium | A | <0.150 | U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/08/2023 16:44 | JLK |
| EPA 200.8 | Zinc | A | 1.11 | J | ug/L | 5 | 1.00 | 10.0 | BGB0721 | 02/14/2023 17:31 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N | A | 0.621 | | mg/L | 1 | 0.0200 | 0.0500 | BGB0480 | 02/03/2023 13:13 | DLK |
| SM 2520 B | Salinity | N | 30.4 | | Salinity units | 1 | 1.00 | 1.00 | BGB1516 | 02/10/2023 13:10 | AKA |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 6.95 | | mg/L | 1 | 1.00 | 1.00 | BGA3833 | 01/31/2023 12:49 | BP / JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | ODMDS-W | Sample Matrix: | Marine Water |
| Lab Sample ID: | 23A1459-62RE1 | Date Collected: | 01/27/2023 13:10 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 2,4,5 & 2,4,6 -Trichlorophenol (Rerun) | N | <1.10U | ug/L | 1 | 1.10 | 2.22 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.552U | ug/L | 1 | 0.552 | 1.11 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.552U | ug/L | 1 | 0.552 | 1.11 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.44C+, U | ug/L | 1 | 4.44 | 4.44 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.552U | ug/L | 1 | 0.552 | 1.11 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.552C+, U | ug/L | 1 | 0.552 | 1.11 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.552U | ug/L | 1 | 0.552 | 1.11 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.552U | ug/L | 1 | 0.552 | 1.11 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.44U | ug/L | 1 | 4.44 | 4.44 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 1.11 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.277U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: ODMDS-W (Continued)
Lab Sample ID: 23A1459-62RE1
Sample Alias:

Sample Matrix: Marine Water
Date Collected: 01/27/2023 13:10
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 0.770 | V | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.277 | B, U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 1.12 | V | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.277 | C+, U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 2.22 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.552 | U | ug/L | 1 | 0.552 | 1.11 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.872 | J | ug/L | 1 | 0.552 | 1.11 | BGA3953 | 02/13/2023 23:11 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.277 | U | ug/L | 1 | 0.277 | 0.554 | BGA3953 | 02/13/2023 23:11 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *96.5%* | | *54.6-148* | | | | | *02/13/2023 23:11* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *121%* | | *55-152* | | | | | *02/13/2023 23:11* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *90.3%* | | *52.4-136* | | | | | *02/13/2023 23:11* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *89.2%* | | *52-162* | | | | | *02/13/2023 23:11* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *126%* | | *58.7-152* | | | | | *02/13/2023 23:11* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | ODMDS-W (Continued) | Sample Matrix: | Marine Water |
| Lab Sample ID: | 23A1459-62RE1 | Date Collected: | 01/27/2023 13:10 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *76.6%* | | *51.9-147* | | | | | *02/13/2023 23:11* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-E
Lab Sample ID: 23A1459-65
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 01/21/2023 11:45
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS** | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <0.281U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/14/2023 05:00 | KRB |
| SW-8270 | Benzidine | A | <0.281U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/14/2023 05:00 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *146%* | *54.6-148* | | | | | *02/14/2023 05:00* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *143%* | *55-152* | | | | | *02/14/2023 05:00* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *209% S* | *52.4-136* | | | | | *02/14/2023 05:00* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *169% S* | *52-162* | | | | | *02/14/2023 05:00* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *171% S* | *58.7-152* | | | | | *02/14/2023 05:00* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *125%* | *51.9-147* | | | | | *02/14/2023 05:00* | |
| **Elutriate Organics by GC** | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Aldrin | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.00596C+, U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | delta-BHC | A | <0.00596B2, U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Dieldrin | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Endosulfan I | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Endosulfan II | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Endrin | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Endrin ketone | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Heptachlor | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Methoxychlor | A | <0.00596U | ug/L | 1 | 0.00596 | 0.00596 | BGB0543 | 02/09/2023 05:00 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <0.298U | ug/L | 1 | 0.298 | 0.298 | BGB0543 | 02/09/2023 05:00 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *134%* | *60-140* | | | | | *02/09/2023 05:00* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-E (Continued)
Lab Sample ID: 23A1459-65
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 01/21/2023 11:45
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *101%* | | *60-140* | | | | | *02/09/2023 05:00* | |
| SW-8082 | PCBs, Total | A | <0.00599 | U | ug/L | 1 | 0.00599 | 0.120 | BGB1127 | 02/17/2023 11:53 | cro |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *134%* | | *60-140* | | | | | *02/17/2023 11:53* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *86.4%* | | *60-140* | | | | | *02/17/2023 11:53* | |
| **Elutriate Metals, Dissolved** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <1.00 | U | ug/L | 5 | 1.00 | 5.00 | BGB0721 | 02/22/2023 11:52 | TBB |
| EPA 200.8 | Arsenic | A | 1.78 | J | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/22/2023 11:52 | TBB |
| EPA 200.8 | Beryllium | A | <0.0500 | B2, U | ug/L | 5 | 0.0500 | 1.00 | BGB0721 | 02/28/2023 16:04 | TBB |
| EPA 200.8 | Cadmium | A | <0.250 | U | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/22/2023 11:52 | TBB |
| EPA 200.8 | Chromium | A | <0.400 | B2, U | ug/L | 5 | 0.400 | 15.0 | BGB0721 | 02/22/2023 11:52 | TBB |
| EPA 200.8 | Copper | A | <2.00 | B, B2, U | ug/L | 10 | 2.00 | 10.0 | BGB0721 | 03/01/2023 10:19 | TBB |
| Calc | Chromium (III) | | <1.90 | U | ug/L | 5 | 1.90 | 18.0 | [CALC] | 02/22/2023 11:52 | SAB |
| SM 3500-Cr B | Chromium (VI) | A | 0.0388 | V2 | mg/L | 1 | 0.00150 | 0.00300 | BGB2104 | 02/15/2023 15:04 | SAB |
| EPA 200.8 | Lead | A | <0.500 | U | ug/L | 5 | 0.500 | 2.50 | BGB0721 | 02/08/2023 16:49 | JLK |
| EPA 200.8 | Nickel | A | 1.61 | V2, J | ug/L | 5 | 0.250 | 5.00 | BGB0721 | 02/22/2023 11:52 | TBB |
| EPA 200.8 | Silver | A | <0.300 | U | ug/L | 10 | 0.300 | 5.00 | BGB0721 | 03/01/2023 10:19 | TBB |
| EPA 200.8 | Thallium | A | <0.150 | U | ug/L | 5 | 0.150 | 2.50 | BGB0721 | 02/22/2023 11:52 | TBB |
| EPA 200.8 | Zinc | A | 1.48 | V2, J | ug/L | 5 | 1.00 | 10.0 | BGB0721 | 02/14/2023 17:37 | TBB |
| **Elutriate Metals, Total** | | | | | | | | | | | |
| EPA 245.1 | Mercury | A | <0.150 | U | ug/L | 1 | 0.150 | 0.200 | BGB0678 | 02/06/2023 17:10 | NAZ |
| EPA 200.8 | Selenium | A | <1.65 | U | ug/L | 5 | 1.65 | 10.0 | BGB1605 | 02/22/2023 15:32 | TBB |
| **Elutriate General Chemistry** | | | | | | | | | | | |
| SM 2540 D | Residue-nonfilterable (TSS) | A | 7.42 | V2 | mg/L | 1 | 1.00 | 1.00 | BGB0805 | 02/07/2023 13:44 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-DUP-E | Sample Matrix: | Elutriate |
| Lab Sample ID: | 23A1459-65RE1 | Date Collected: | 01/21/2023 11:45 |
| Sample Alias: | | Collected by: | Michael Madonna |

### Elutriate Semivolatile Organic Compounds by GCMS

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 2,4,5 & 2,4,6 -Trichlorophenol (Rerun) | N | <1.12 | U | ug/L | 1 | 1.12 | 2.25 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <4.50 | U | ug/L | 1 | 4.50 | 4.50 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <0.560 | U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <4.50 | U | ug/L | 1 | 4.50 | 4.50 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Acenaphthene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Acenaphthylene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Anthracene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | benzo(b&k)fluoranthene (Rerun) | A | <0.562 | U | ug/L | 1 | 0.562 | 1.12 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: CDP-DUP-E (Continued)
Lab Sample ID: 23A1459-65RE1
Sample Alias:

Sample Matrix: Elutriate
Date Collected: 01/21/2023 11:45
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Chrysene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Diethyl phthalate (Rerun) | A | 0.938 | V, V2 | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <0.281 | B, B2, U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | 1.85 | V, V2 | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Fluoranthene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Fluorene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <0.281 | C+, U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Hexachloroethane (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Isophorone (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Naphthalene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Nitrobenzene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 2.25 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <0.281 | C+, U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Pentachlorophenol (Rerun) | A | <0.560 | C+, U | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Phenanthrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 0.841 | V2, J | ug/L | 1 | 0.560 | 1.12 | BGB0925 | 02/15/2023 06:16 | KRB |
| SW-8270 | Pyrene (Rerun) | A | <0.281 | U | ug/L | 1 | 0.281 | 0.562 | BGB0925 | 02/15/2023 06:16 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *93.1%* | | *54.6-148* | | | | | *02/15/2023 06:16* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *107%* | | *55-152* | | | | | *02/15/2023 06:16* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *105%* | | *52.4-136* | | | | | *02/15/2023 06:16* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *80.1%* | | *52-162* | | | | | *02/15/2023 06:16* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *125%* | | *58.7-152* | | | | | *02/15/2023 06:16* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | CDP-DUP-E (Continued) | Sample Matrix: | Elutriate |
| Lab Sample ID: | 23A1459-65RE1 | Date Collected: | 01/21/2023 11:45 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Elutriate Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *92.0%* | | *51.9-147* | | | | | *02/15/2023 06:16* | |
| **Elutriate General Chemistry** | | | | | | | | | | | |
| EPA 350.1 | Ammonia as N (Rerun) | A | 0.970 | | mg/L | 5 | 0.100 | 0.250 | BGB0807 | 02/07/2023 10:12 | DLK |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | ODMDS-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 23A1459-66 | Date Collected: | 01/27/2023 12:30 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 3,3'-Dichlorobenzidine | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/08/2023 07:19 | KRB |
| SW-8270 | Benzidine | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/08/2023 07:19 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *78.2%* | | *60-140* | | | | | *02/08/2023 07:19* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *90.1%* | | *60-140* | | | | | *02/08/2023 07:19* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *136%* | | *60-140* | | | | | *02/08/2023 07:19* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *98.5%* | | *60-140* | | | | | *02/08/2023 07:19* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *97.1%* | | *60-140* | | | | | *02/08/2023 07:19* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *80.0%* | | *60-140* | | | | | *02/08/2023 07:19* | |
| **Organics by GC** | | | | | | | | | | | |
| SW-8081 | 4,4'-DDD | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | 4,4'-DDE | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | 4,4'-DDT | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Aldrin | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | alpha-BHC (alpha-Hexachlorocyclohexane) | A | <0.395 | C+, U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | beta-BHC (beta-Hexachlorocyclohexane) | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Chlordane (tech.) | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | cis-Chlordane (alpha-Chlordane) | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | delta-BHC | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Dieldrin | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Endosulfan I | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Endosulfan II | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Endosulfan sulfate | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Endrin | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Endrin aldehyde | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Endrin ketone | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | gamma-Chlordane | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Heptachlor | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Heptachlor epoxide | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Methoxychlor | A | <0.395 | U | ug/kg dry | 10 | 0.395 | 1.32 | BGB0477 | 02/10/2023 10:45 | ALA |
| SW-8081 | Toxaphene (Chlorinated Camphene) | A | <19.7 | U | ug/kg dry | 10 | 19.7 | 19.7 | BGB0477 | 02/10/2023 10:45 | ALA |
| *SW-8081* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *81.0%* | | *60-140* | | | | | *02/10/2023 10:45* | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: ODMDS-S (Continued)
Lab Sample ID: 23A1459-66
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/27/2023 12:30
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Organics by GC (Continued)** | | | | | | | | | | | |
| *SW-8081* | *Surrogate: Decachlorobiphenyl-surr* | | *97.2%* | | *60-140* | | | | | *02/10/2023 10:45* | |
| SW-8082 | PCBs, Total | A | <1.31 | C+, U | ug/kg dry | 1 | 1.31 | 2.62 | BGB1177 | 02/25/2023 05:32 | KRB |
| *SW-8082* | *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *126%* | | *60-140* | | | | | *02/25/2023 05:32* | |
| *SW-8082* | *Surrogate: Decachlorobiphenyl-surr* | | *128%* | | *60-140* | | | | | *02/25/2023 05:32* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | A | <0.0270 | U | mg/kg dry | 1 | 0.0270 | 0.0542 | BGB0820 | 02/07/2023 14:28 | JLK |
| EPA 200.8 | Arsenic | A | 1.39 | | mg/kg dry | 5 | 0.0135 | 0.135 | BGB0820 | 02/27/2023 10:48 | TBB |
| EPA 200.8 | Beryllium | A | 0.0655 | | mg/kg dry | 5 | 0.00271 | 0.0541 | BGB0820 | 02/27/2023 16:07 | TBB |
| EPA 200.8 | Cadmium | A | 0.00909 | J | mg/kg dry | 1 | 0.00270 | 0.0542 | BGB0820 | 02/07/2023 14:28 | JLK |
| EPA 200.8 | Chromium | A | 1.27 | | mg/kg dry | 1 | 0.00812 | 0.162 | BGB0820 | 02/07/2023 14:28 | JLK |
| EPA 200.8 | Copper | A | 0.435 | V | mg/kg dry | 1 | 0.0108 | 0.0542 | BGB0820 | 02/08/2023 11:31 | TBB |
| Calc | Chromium (III) | | 1.13 | J | mg/kg (dry wt) dry | 1 | 0.137 | 5.16 | [CALC] | 02/24/2023 14:20 | GJG |
| SW-7196 | Chromium (VI) | A | 0.144 | J | mg/kg dry | 1 | 0.129 | 5.00 | BGB3245 | 02/24/2023 14:20 | GJG |
| SW-7471B | Mercury | A | <0.00999 | U | mg/kg dry | 1 | 0.00999 | 0.0200 | BGB1025 | 02/08/2023 16:21 | AKR |
| EPA 200.8 | Lead | A | 1.70 | | mg/kg dry | 1 | 0.00270 | 0.0270 | BGB0820 | 02/07/2023 14:28 | JLK |
| EPA 200.8 | Nickel | A | 1.17 | | mg/kg dry | 1 | 0.0542 | 0.0542 | BGB0820 | 02/07/2023 14:28 | JLK |
| EPA 200.8 | Selenium | A | 0.363 | | mg/kg dry | 1 | 0.0542 | 0.108 | BGB0820 | 02/08/2023 11:31 | TBB |
| EPA 200.8 | Silver | A | 0.00411 | J | mg/kg dry | 1 | 0.00135 | 0.0270 | BGB0820 | 02/07/2023 14:28 | JLK |
| EPA 200.8 | Thallium | A | 0.0218 | J | mg/kg dry | 1 | 0.00135 | 0.0270 | BGB0820 | 02/07/2023 14:28 | JLK |
| EPA 200.8 | Zinc | A | 5.47 | | mg/kg dry | 1 | 0.0542 | 0.108 | BGB0820 | 02/07/2023 14:28 | JLK |
| **General Chemistry** | | | | | | | | | | | |
| SW-9014 | Total Cyanide | A | <0.0331 | U | mg/kg dry | 1 | 0.0331 | 0.0662 | BGB0157 | 02/02/2023 18:01 | GJG |
| EPA 350.2 | Ammonia as N | A | <6.60 | U | mg/kg dry | 1 | 6.60 | 13.2 | BGB1156 | 02/09/2023 09:45 | GIW |
| SW-9045C | pH | A | 8.41 | H | pH Units @ 25 °C | 1 | | 0.100 | BGB0847 | 02/07/2023 10:02 | AKA |
| SM 2540 G | % Solids | A | 75.6 | H, V | % | 1 | 0.100 | 0.100 | BGB0296 | 02/03/2023 12:46 | JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: ODMDS-S
Lab Sample ID: 23A1459-66RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/27/2023 12:30
Collected by: Michael Madonna

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | 1,2,4-Trichlorobenzene (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 1,2-Dichlorobenzene (o-Dichlorobenzene) (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 1,2-Diphenylhydrazine (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 1,3-Dichlorobenzene (m-Dichlorobenzene) (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 1,4-Dichlorobenzene (p-Dichlorobenzene) (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 2,4,6-Trichlorophenol (Rerun) | A | <3.11 | U | ug/kg dry | 1 | 3.11 | 6.22 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 2,4-Dichlorophenol (Rerun) | A | <3.11 | U | ug/kg dry | 1 | 3.11 | 6.22 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 2,4-Dimethylphenol (Rerun) | A | <3.11 | U | ug/kg dry | 1 | 3.11 | 6.22 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 2,4-Dinitrophenol (Rerun) | A | <3.11 | U | ug/kg dry | 1 | 3.11 | 6.22 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 2,4-Dinitrotoluene (2,4-DNT) (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 2,6-Dinitrotoluene (2,6-DNT) (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 2-Chloronaphthalene (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 2-Chlorophenol (Rerun) | A | <3.11 | U | ug/kg dry | 1 | 3.11 | 6.22 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph (Rerun) | A | <12.4 | U | ug/kg dry | 1 | 12.4 | 24.9 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 2-Nitrophenol (Rerun) | A | <3.11 | U | ug/kg dry | 1 | 3.11 | 6.22 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 4-Bromophenyl phenyl ether (BDE-3) (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 4-Chloro-3-methylphenol (Rerun) | A | <3.11 | U | ug/kg dry | 1 | 3.11 | 6.22 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 4-Chlorophenyl phenylether (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | 4-Nitrophenol (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Acenaphthene (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Acenaphthylene (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Anthracene (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Benzo(a)anthracene (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Benzo(a)pyrene (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Benzo(b)fluoranthene (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Benzo(g,h,i)perylene (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Benzo(k)fluoranthene (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | bis(2-Chloroethoxy)methane (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

Client Sample ID: ODMDS-S (Continued)
Lab Sample ID: 23A1459-66RE1
Sample Alias:

Sample Matrix: Sediment
Date Collected: 01/27/2023 12:30
Collected by: Michael Madonna

| Method | Analyte | * | Result Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS (Continued)** | | | | | | | | | | |
| SW-8270 | bis(2-Chloroethyl) ether (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <1.55B, U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Butyl benzyl phthalate (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Chrysene (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Dibenzo(a,h)anthracene (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Diethyl phthalate (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Dimethyl phthalate (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Di-n-butyl phthalate (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Fluoranthene (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Fluorene (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Hexachlorobenzene (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Hexachlorobutadiene (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Hexachloroethane (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Indeno(1,2,3-cd) pyrene (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Isophorone (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Naphthalene (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Nitrobenzene (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | n-Nitrosodimethylamine (Rerun) | A | <1.55C+, U | ug/kg dry | 1 | 1.55 | 31.1 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | n-Nitrosodi-n-propylamine (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | n-Nitrosodiphenylamine (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Pentachlorophenol (Rerun) | A | <3.11U | ug/kg dry | 1 | 3.11 | 6.22 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Phenanthrene (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Phenol, Total (Rerun) | A | 11.3V | ug/kg dry | 1 | 3.11 | 6.22 | BGB0424 | 02/17/2023 19:59 | krb |
| SW-8270 | Pyrene (Rerun) | A | <1.55U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/17/2023 19:59 | krb |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *62.1%* | *60-140* | | | | | *02/17/2023 19:59* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *68.9%* | *60-140* | | | | | *02/17/2023 19:59* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *60.0%* | *60-140* | | | | | *02/17/2023 19:59* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *78.6%* | *60-140* | | | | | *02/17/2023 19:59* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *71.2%* | *60-140* | | | | | *02/17/2023 19:59* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *50.1% S* | *60-140* | | | | | *02/17/2023 19:59* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | ODMDS-S | Sample Matrix: | Sediment |
| Lab Sample ID: | 23A1459-66RE2 | Date Collected: | 01/27/2023 12:30 |
| Sample Alias: | | Collected by: | Michael Madonna |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Hexachlorocyclopentadiene (Rerun) | A | <1.55 | U | ug/kg dry | 1 | 1.55 | 3.11 | BGB0424 | 02/27/2023 17:51 | KRB |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *58.9%* | *S* | *60-140* | | | | | *02/27/2023 17:51* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *71.3%* | | *60-140* | | | | | *02/27/2023 17:51* | |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerun* | | *72.6%* | | *60-140* | | | | | *02/27/2023 17:51* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *75.6%* | | *60-140* | | | | | *02/27/2023 17:51* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *62.8%* | | *60-140* | | | | | *02/27/2023 17:51* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *64.8%* | | *60-140* | | | | | *02/27/2023 17:51* | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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# Quality Control

## Semivolatile Organic Compounds by GCMS

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570*** | | | | | | | | | | |
| **Blank (BGA3368-BLK1)** | | | | Prepared: 1/26/2023 Analyzed: 2/13/2023 | | | | | | |
| 3,3'-Dichlorobenzidine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Benzidine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *20.1* | *ug/kg wet* | *19.4* | | *104* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *41.8* | *ug/kg wet* | *38.8* | | *108* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *35.2* | *ug/kg wet* | *38.8* | | *90.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *21.8* | *ug/kg wet* | *19.4* | | *112* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *39.8* | *ug/kg wet* | *38.8* | | *103* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *21.1* | *ug/kg wet* | *19.4* | | *109* | *60-140* | | |
| **Blank (BGA3368-BLK2)** | | | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | | |
| 1,2,4-Trichlorobenzene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 1,2-Diphenylhydrazine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 2,4,6-Trichlorophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 2,4-Dichlorophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 2,4-Dimethylphenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 2,4-Dinitrophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 2-Chloronaphthalene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 2-Chlorophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <19.4 | U | 19.4 | ug/kg wet | | | | | | |
| 2-Nitrophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 4-Chloro-3-methylphenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| 4-Chlorophenyl phenylether | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| 4-Nitrophenol | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Acenaphthene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Acenaphthylene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Anthracene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Benzo(a)anthracene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Benzo(a)pyrene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| benzo(b&k)fluoranthene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Benzo(g,h,i)perylene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| bis(2-Chloroethoxy)methane | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| bis(2-Chloroethyl) ether | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Bis(2-ethylhexyl )phthalate | 1.56 | J | 2.42 | ug/kg wet | | | | | | |
| Butyl benzyl phthalate | <2.42 | U | 2.42 | ug/kg wet | | | | | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BGA3368-BLK2)** | | | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | | |
| Chrysene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Dibenzo(a,h)anthracene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Diethyl phthalate | 2.53 | | 2.42 | ug/kg wet | | | | | | |
| Dimethyl phthalate | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Di-n-butyl phthalate | 12.0 | | 2.42 | ug/kg wet | | | | | | |
| Di-n-octyl phthalate | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Fluoranthene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Fluorene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Hexachlorobenzene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Hexachlorobutadiene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Hexachlorocyclopentadiene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Hexachloroethane | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Indeno(1,2,3-cd) pyrene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Isophorone | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Naphthalene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Nitrobenzene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| n-Nitrosodimethylamine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| n-Nitrosodi-n-propylamine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| n-Nitrosodiphenylamine | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Pentachlorophenol | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| Phenanthrene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| Phenol, Total | <4.85 | U | 4.85 | ug/kg wet | | | | | | |
| Pyrene | <2.42 | U | 2.42 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *11.9* | *ug/kg wet* | *19.4* | | *61.4* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *26.4* | *ug/kg wet* | *38.8* | | *68.2* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *31.6* | *ug/kg wet* | *38.8* | | *81.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *14.7* | *ug/kg wet* | *19.4* | | *76.0* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *27.0* | *ug/kg wet* | *38.8* | | *69.7* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.3* | *ug/kg wet* | *19.4* | | *73.8* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BS BENZ (BGA3368-BS1)** | | | | | Prepared: 1/26/2023 Analyzed: 2/13/2023 | | | | | |
| 3,3'-Dichlorobenzidine | 16.4 | | 2.46 | ug/kg wet | 19.7 | | 83.5 | 60-140 | | |
| Benzidine | 2.58 | J1 | 2.46 | ug/kg wet | 19.7 | | 13.1 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *23.2* | *ug/kg wet* | *19.7* | | *118* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *47.1* | *ug/kg wet* | *39.4* | | *120* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *55.0* | *ug/kg wet* | *39.4* | | *140* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *23.4* | *ug/kg wet* | *19.7* | | *119* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *37.3* | *ug/kg wet* | *39.4* | | *94.8* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *23.5* | *ug/kg wet* | *19.7* | | *119* | *60-140* | | |
| **BS SV (BGA3368-BS2)** | | | | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 14.0 | | 2.46 | ug/kg wet | 19.7 | | 71.0 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 12.8 | | 2.46 | ug/kg wet | 19.7 | | 65.1 | 60-140 | | |
| 1,2-Diphenylhydrazine | 17.8 | | 2.46 | ug/kg wet | 19.7 | | 90.2 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 12.9 | | 2.46 | ug/kg wet | 19.7 | | 65.4 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 14.1 | | 2.46 | ug/kg wet | 19.7 | | 71.5 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 17.3 | | 2.46 | ug/kg wet | 19.7 | | 87.9 | 60-140 | | |
| 2,4,6-Trichlorophenol | 34.0 | | 4.92 | ug/kg wet | 39.4 | | 86.5 | 60-140 | | |
| 2,4-Dichlorophenol | 34.1 | | 4.92 | ug/kg wet | 39.4 | | 86.6 | 60-140 | | |
| 2,4-Dimethylphenol | 34.6 | | 4.92 | ug/kg wet | 39.4 | | 87.9 | 60-140 | | |
| 2,4-Dinitrophenol | 16.3 | | 4.92 | ug/kg wet | 98.4 | | 16.5 | 10-50.4 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 15.5 | | 2.46 | ug/kg wet | 19.7 | | 78.5 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 17.6 | | 2.46 | ug/kg wet | 19.7 | | 89.2 | 60-140 | | |
| 2-Chloronaphthalene | 16.3 | | 2.46 | ug/kg wet | 19.7 | | 82.8 | 60-140 | | |
| 2-Chlorophenol | 35.8 | | 4.92 | ug/kg wet | 39.4 | | 91.0 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 17.7 | J1, J | 19.7 | ug/kg wet | 39.4 | | 44.9 | 60-140 | | |
| 2-Nitrophenol | 31.8 | | 4.92 | ug/kg wet | 39.4 | | 80.7 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 17.3 | | 2.46 | ug/kg wet | 19.7 | | 87.8 | 60-140 | | |
| 4-Chloro-3-methylphenol | 35.6 | | 4.92 | ug/kg wet | 39.4 | | 90.4 | 60-140 | | |
| 4-Chlorophenyl phenylether | 16.4 | | 2.46 | ug/kg wet | 19.7 | | 83.2 | 60-140 | | |
| 4-Nitrophenol | 86.1 | | 2.46 | ug/kg wet | 98.4 | | 87.5 | 60-140 | | |
| Acenaphthene | 16.1 | | 2.46 | ug/kg wet | 19.7 | | 82.0 | 60-140 | | |
| Acenaphthylene | 18.4 | | 2.46 | ug/kg wet | 19.7 | | 93.7 | 60-140 | | |
| Anthracene | 16.6 | | 2.46 | ug/kg wet | 19.7 | | 84.6 | 60-140 | | |
| Benzo(a)anthracene | 16.8 | | 2.46 | ug/kg wet | 19.7 | | 85.4 | 60-140 | | |
| Benzo(a)pyrene | 17.4 | | 2.46 | ug/kg wet | 19.7 | | 88.4 | 60-140 | | |
| benzo(b&k)fluoranthene | 34.4 | | 2.46 | ug/kg wet | 39.4 | | 87.3 | 60-140 | | |
| Benzo(g,h,i)perylene | 16.2 | | 2.46 | ug/kg wet | 19.7 | | 82.2 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 16.3 | | 2.46 | ug/kg wet | 19.7 | | 82.7 | 60-140 | | |
| bis(2-Chloroethyl) ether | 18.0 | | 2.46 | ug/kg wet | 19.7 | | 91.5 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 20.2 | | 2.46 | ug/kg wet | 19.7 | | 103 | 60-140 | | |
| Butyl benzyl phthalate | 17.9 | | 2.46 | ug/kg wet | 19.7 | | 90.7 | 60-140 | | |
| Chrysene | 16.4 | | 2.46 | ug/kg wet | 19.7 | | 83.4 | 60-140 | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BS SV (BGA3368-BS2)** | | | | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | |
| Dibenzo(a,h)anthracene | 17.2 | | 2.46 | ug/kg wet | 19.7 | | 87.4 | 60-140 | | |
| Diethyl phthalate | 20.6 | | 2.46 | ug/kg wet | 19.7 | | 105 | 60-140 | | |
| Dimethyl phthalate | 17.6 | | 2.46 | ug/kg wet | 19.7 | | 89.3 | 60-140 | | |
| Di-n-butyl phthalate | 30.2 | J1 | 2.46 | ug/kg wet | 19.7 | | 153 | 60-140 | | |
| Di-n-octyl phthalate | 15.2 | | 2.46 | ug/kg wet | 19.7 | | 77.2 | 60-140 | | |
| Fluoranthene | 16.2 | | 2.46 | ug/kg wet | 19.7 | | 82.4 | 60-140 | | |
| Fluorene | 16.7 | | 2.46 | ug/kg wet | 19.7 | | 84.7 | 60-140 | | |
| Hexachlorobenzene | 18.9 | | 2.46 | ug/kg wet | 19.7 | | 96.1 | 60-140 | | |
| Hexachlorobutadiene | 12.6 | | 2.46 | ug/kg wet | 19.7 | | 63.8 | 60-140 | | |
| Hexachlorocyclopentadiene | 12.7 | | 2.46 | ug/kg wet | 19.7 | | 64.4 | 60-140 | | |
| Hexachloroethane | 9.98 | J1 | 2.46 | ug/kg wet | 19.7 | | 50.7 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 16.4 | | 2.46 | ug/kg wet | 19.7 | | 83.2 | 60-140 | | |
| Isophorone | 15.5 | | 2.46 | ug/kg wet | 19.7 | | 78.7 | 60-140 | | |
| Naphthalene | 15.8 | | 2.46 | ug/kg wet | 19.7 | | 80.5 | 60-140 | | |
| Nitrobenzene | 17.4 | | 2.46 | ug/kg wet | 19.7 | | 88.4 | 60-140 | | |
| n-Nitrosodimethylamine | 74.2 | | 2.46 | ug/kg wet | 98.4 | | 75.4 | 60-140 | | |
| n-Nitrosodi-n-propylamine | 18.8 | | 2.46 | ug/kg wet | 19.7 | | 95.3 | 60-140 | | |
| n-Nitrosodiphenylamine | 16.3 | | 2.46 | ug/kg wet | 19.7 | | 82.9 | 60-140 | | |
| Pentachlorophenol | 33.4 | | 4.92 | ug/kg wet | 39.4 | | 84.7 | 60-140 | | |
| Phenanthrene | 16.8 | | 2.46 | ug/kg wet | 19.7 | | 85.5 | 60-140 | | |
| Phenol, Total | 36.1 | | 4.92 | ug/kg wet | 39.4 | | 91.8 | 60-140 | | |
| Pyrene | 15.5 | | 2.46 | ug/kg wet | 19.7 | | 78.7 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.8* | *ug/kg wet* | *19.7* | | *70.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *36.9* | *ug/kg wet* | *39.4* | | *93.7* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *33.5* | *ug/kg wet* | *39.4* | | *85.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.1* | *ug/kg wet* | *19.7* | | *91.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *38.0* | *ug/kg wet* | *39.4* | | *96.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.2* | *ug/kg wet* | *19.7* | | *77.3* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD BENZ (BGA3368-BSD1)** | | | | Prepared: 1/26/2023 Analyzed: 2/13/2023 | | | | | | |
| 3,3'-Dichlorobenzidine | 18.1 | | 2.48 | ug/kg wet | 19.8 | | 91.2 | 60-140 | 9.59 | 40 |
| Benzidine | 3.02 | J1 | 2.48 | ug/kg wet | 19.8 | | 15.2 | 60-140 | 15.7 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *21.1* | *ug/kg wet* | *19.8* | | *106* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.4* | *ug/kg wet* | *39.7* | | *84.2* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *54.4* | *ug/kg wet* | *39.7* | | *137* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *20.2* | *ug/kg wet* | *19.8* | | *102* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *32.8* | *ug/kg wet* | *39.7* | | *82.8* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *23.3* | *ug/kg wet* | *19.8* | | *118* | *60-140* | | |
| **BSD SV (BGA3368-BSD2)** | | | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | | |
| 1,2,4-Trichlorobenzene | 13.3 | | 2.34 | ug/kg wet | 18.7 | | 70.8 | 60-140 | 5.12 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 11.1 | J1 | 2.34 | ug/kg wet | 18.7 | | 59.3 | 60-140 | 14.1 | 40 |
| 1,2-Diphenylhydrazine | 17.8 | | 2.34 | ug/kg wet | 18.7 | | 94.9 | 60-140 | 0.165 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 11.2 | J1 | 2.34 | ug/kg wet | 18.7 | | 59.8 | 60-140 | 13.8 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 11.4 | | 2.34 | ug/kg wet | 18.7 | | 61.0 | 60-140 | 20.7 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 15.3 | | 2.34 | ug/kg wet | 18.7 | | 81.4 | 60-140 | 12.6 | 40 |
| 2,4,6-Trichlorophenol | 33.1 | | 4.69 | ug/kg wet | 37.5 | | 88.4 | 60-140 | 2.70 | 40 |
| 2,4-Dichlorophenol | 31.7 | | 4.69 | ug/kg wet | 37.5 | | 84.4 | 60-140 | 7.38 | 40 |
| 2,4-Dimethylphenol | 30.8 | | 4.69 | ug/kg wet | 37.5 | | 82.2 | 60-140 | 11.6 | 40 |
| 2,4-Dinitrophenol | 23.0 | | 4.69 | ug/kg wet | 93.7 | | 24.5 | 10-50.4 | 34.0 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 15.8 | | 2.34 | ug/kg wet | 18.7 | | 84.5 | 60-140 | 2.48 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 15.8 | | 2.34 | ug/kg wet | 18.7 | | 84.3 | 60-140 | 10.6 | 40 |
| 2-Chloronaphthalene | 14.6 | | 2.34 | ug/kg wet | 18.7 | | 77.8 | 60-140 | 11.1 | 40 |
| 2-Chlorophenol | 28.7 | | 4.69 | ug/kg wet | 37.5 | | 76.6 | 60-140 | 22.0 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 22.5 | | 18.7 | ug/kg wet | 37.5 | | 60.1 | 60-140 | 24.2 | 40 |
| 2-Nitrophenol | 29.3 | | 4.69 | ug/kg wet | 37.5 | | 78.1 | 60-140 | 8.22 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 14.7 | | 2.34 | ug/kg wet | 18.7 | | 78.2 | 60-140 | 16.5 | 40 |
| 4-Chloro-3-methylphenol | 33.3 | | 4.69 | ug/kg wet | 37.5 | | 88.8 | 60-140 | 6.68 | 40 |
| 4-Chlorophenyl phenylether | 15.4 | | 2.34 | ug/kg wet | 18.7 | | 82.1 | 60-140 | 6.25 | 40 |
| 4-Nitrophenol | 78.8 | | 2.34 | ug/kg wet | 93.7 | | 84.1 | 60-140 | 8.79 | 40 |
| Acenaphthene | 15.1 | | 2.34 | ug/kg wet | 18.7 | | 80.4 | 60-140 | 6.86 | 40 |
| Acenaphthylene | 17.4 | | 2.34 | ug/kg wet | 18.7 | | 92.7 | 60-140 | 5.94 | 40 |
| Anthracene | 15.5 | | 2.34 | ug/kg wet | 18.7 | | 82.5 | 60-140 | 7.39 | 40 |
| Benzo(a)anthracene | 15.9 | | 2.34 | ug/kg wet | 18.7 | | 85.0 | 60-140 | 5.40 | 40 |
| Benzo(a)pyrene | 16.5 | | 2.34 | ug/kg wet | 18.7 | | 88.2 | 60-140 | 5.11 | 40 |
| benzo(b&k)fluoranthene | 27.2 | | 2.34 | ug/kg wet | 37.5 | | 72.4 | 60-140 | 23.4 | 40 |
| Benzo(g,h,i)perylene | 14.5 | | 2.34 | ug/kg wet | 18.7 | | 77.2 | 60-140 | 11.2 | 40 |
| bis(2-Chloroethoxy)methane | 14.1 | | 2.34 | ug/kg wet | 18.7 | | 75.4 | 60-140 | 14.2 | 40 |
| bis(2-Chloroethyl) ether | 20.1 | | 2.34 | ug/kg wet | 18.7 | | 107 | 60-140 | 11.1 | 40 |
| Bis(2-ethylhexyl )phthalate | 20.0 | | 2.34 | ug/kg wet | 18.7 | | 107 | 60-140 | 1.13 | 40 |
| Butyl benzyl phthalate | 17.4 | | 2.34 | ug/kg wet | 18.7 | | 92.7 | 60-140 | 2.69 | 40 |
| Chrysene | 15.4 | | 2.34 | ug/kg wet | 18.7 | | 82.2 | 60-140 | 6.32 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD SV (BGA3368-BSD2)** | | | | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | |
| Dibenzo(a,h)anthracene | 15.7 | | 2.34 | ug/kg wet | 18.7 | | 83.7 | 60-140 | 9.26 | 40 |
| Diethyl phthalate | 20.3 | | 2.34 | ug/kg wet | 18.7 | | 108 | 60-140 | 1.72 | 40 |
| Dimethyl phthalate | 17.0 | | 2.34 | ug/kg wet | 18.7 | | 90.5 | 60-140 | 3.47 | 40 |
| Di-n-butyl phthalate | 29.6 | J1 | 2.34 | ug/kg wet | 18.7 | | 158 | 60-140 | 1.98 | 40 |
| Di-n-octyl phthalate | 15.6 | | 2.34 | ug/kg wet | 18.7 | | 83.2 | 60-140 | 2.61 | 40 |
| Fluoranthene | 14.0 | | 2.34 | ug/kg wet | 18.7 | | 74.8 | 60-140 | 14.6 | 40 |
| Fluorene | 15.7 | | 2.34 | ug/kg wet | 18.7 | | 83.6 | 60-140 | 6.18 | 40 |
| Hexachlorobenzene | 15.8 | | 2.34 | ug/kg wet | 18.7 | | 84.5 | 60-140 | 17.7 | 40 |
| Hexachlorobutadiene | 10.3 | J1 | 2.34 | ug/kg wet | 18.7 | | 54.7 | 60-140 | 20.2 | 40 |
| Hexachlorocyclopentadiene | 10.5 | J1 | 2.34 | ug/kg wet | 18.7 | | 56.2 | 60-140 | 18.4 | 40 |
| Hexachloroethane | 9.28 | J1 | 2.34 | ug/kg wet | 18.7 | | 49.5 | 60-140 | 7.25 | 40 |
| Indeno(1,2,3-cd) pyrene | 14.5 | | 2.34 | ug/kg wet | 18.7 | | 77.2 | 60-140 | 12.4 | 40 |
| Isophorone | 13.6 | | 2.34 | ug/kg wet | 18.7 | | 72.5 | 60-140 | 13.1 | 40 |
| Naphthalene | 13.7 | | 2.34 | ug/kg wet | 18.7 | | 73.1 | 60-140 | 14.5 | 40 |
| Nitrobenzene | 15.6 | | 2.34 | ug/kg wet | 18.7 | | 83.1 | 60-140 | 11.0 | 40 |
| n-Nitrosodimethylamine | 60.8 | | 2.34 | ug/kg wet | 93.7 | | 64.9 | 60-140 | 19.8 | 40 |
| n-Nitrosodi-n-propylamine | 15.9 | | 2.34 | ug/kg wet | 18.7 | | 84.7 | 60-140 | 16.6 | 40 |
| n-Nitrosodiphenylamine | 16.6 | | 2.34 | ug/kg wet | 18.7 | | 88.7 | 60-140 | 1.84 | 40 |
| Pentachlorophenol | 27.4 | | 4.69 | ug/kg wet | 37.5 | | 73.1 | 60-140 | 19.6 | 40 |
| Phenanthrene | 15.7 | | 2.34 | ug/kg wet | 18.7 | | 83.9 | 60-140 | 6.78 | 40 |
| Phenol, Total | 34.5 | | 4.69 | ug/kg wet | 37.5 | | 92.0 | 60-140 | 4.70 | 40 |
| Pyrene | 13.7 | | 2.34 | ug/kg wet | 18.7 | | 73.2 | 60-140 | 12.2 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.3* | *ug/kg wet* | *18.7* | | *65.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *29.0* | *ug/kg wet* | *37.5* | | *77.3* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *28.3* | *ug/kg wet* | *37.5* | | *75.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.9* | *ug/kg wet* | *18.7* | | *90.0* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *32.9* | *ug/kg wet* | *37.5* | | *87.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *12.6* | *ug/kg wet* | *18.7* | | *67.1* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL BENZ (BGA3368-MRL1)** | | | | | Prepared: 1/26/2023 Analyzed: 2/13/2023 | | | | | |
| 3,3'-Dichlorobenzidine | <2.38 | U | 2.38 | ug/kg wet | 1.90 | | | | | |
| Benzidine | <2.38 | U | 2.38 | ug/kg wet | 1.90 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *21.3* | *ug/kg wet* | *19.0* | | *112* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *42.8* | *ug/kg wet* | *38.0* | | *113* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *47.1* | *ug/kg wet* | *38.0* | | *124* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *22.5* | *ug/kg wet* | *19.0* | | *119* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *39.4* | *ug/kg wet* | *38.0* | | *104* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *21.8* | *ug/kg wet* | *19.0* | | *114* | *60-140* | | |
| **MDL SV (BGA3368-MRL2)** | | | | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 1.56 | J | 2.36 | ug/kg wet | 1.89 | | 82.6 | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <2.36 | U | 2.36 | ug/kg wet | 1.89 | | | | | |
| 1,2-Diphenylhydrazine | 2.17 | J | 2.36 | ug/kg wet | 1.89 | | 115 | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 1.19 | J | 2.36 | ug/kg wet | 1.89 | | 62.9 | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 1.42 | J | 2.36 | ug/kg wet | 1.89 | | 75.3 | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 1.85 | J | 2.36 | ug/kg wet | 1.89 | | 97.9 | | | |
| 2,4,6-Trichlorophenol | 4.28 | J | 4.71 | ug/kg wet | 3.77 | | 113 | | | |
| 2,4-Dichlorophenol | 3.70 | J | 4.71 | ug/kg wet | 3.77 | | 98.1 | | | |
| 2,4-Dimethylphenol | 3.35 | J | 4.71 | ug/kg wet | 3.77 | | 88.9 | | | |
| 2,4-Dinitrophenol | 7.00 | | 4.71 | ug/kg wet | 9.43 | | 74.3 | 50-150 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 1.51 | J | 2.36 | ug/kg wet | 1.89 | | 79.9 | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 2.19 | J | 2.36 | ug/kg wet | 1.89 | | 116 | | | |
| 2-Chloronaphthalene | 1.59 | J | 2.36 | ug/kg wet | 1.89 | | 84.1 | | | |
| 2-Chlorophenol | 3.75 | J | 4.71 | ug/kg wet | 3.77 | | 99.6 | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <18.9 | U | 18.9 | ug/kg wet | 3.77 | | | | | |
| 2-Nitrophenol | 3.64 | J | 4.71 | ug/kg wet | 3.77 | | 96.5 | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 1.60 | J | 2.36 | ug/kg wet | 1.89 | | 84.7 | | | |
| 4-Chloro-3-methylphenol | 4.61 | J | 4.71 | ug/kg wet | 3.77 | | 122 | | | |
| 4-Chlorophenyl phenylether | 1.62 | J | 2.36 | ug/kg wet | 1.89 | | 85.8 | | | |
| 4-Nitrophenol | 10.4 | | 2.36 | ug/kg wet | 9.43 | | 110 | 50-150 | | |
| Acenaphthene | 1.73 | J | 2.36 | ug/kg wet | 1.89 | | 92.0 | | | |
| Acenaphthylene | 2.06 | J | 2.36 | ug/kg wet | 1.89 | | 109 | | | |
| Anthracene | 1.70 | J | 2.36 | ug/kg wet | 1.89 | | 90.4 | | | |
| Benzo(a)anthracene | 1.68 | J | 2.36 | ug/kg wet | 1.89 | | 88.9 | | | |
| Benzo(a)pyrene | 1.65 | J | 2.36 | ug/kg wet | 1.89 | | 87.5 | | | |
| benzo(b&k)fluoranthene | 2.63 | | 2.36 | ug/kg wet | 3.77 | | 69.8 | 50-150 | | |
| Benzo(g,h,i)perylene | 1.50 | J | 2.36 | ug/kg wet | 1.89 | | 79.8 | | | |
| bis(2-Chloroethoxy)methane | 1.86 | J | 2.36 | ug/kg wet | 1.89 | | 98.5 | | | |
| bis(2-Chloroethyl) ether | 1.36 | J | 2.36 | ug/kg wet | 1.89 | | 72.3 | | | |
| Bis(2-ethylhexyl )phthalate | 3.33 | | 2.36 | ug/kg wet | 1.89 | | 177 | | | |
| Butyl benzyl phthalate | 1.51 | J | 2.36 | ug/kg wet | 1.89 | | 80.1 | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BGA3368-MRL2)** | | | | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | |
| Chrysene | 1.63 | J | 2.36 | ug/kg wet | 1.89 | | 86.3 | | | |
| Dibenzo(a,h)anthracene | 1.46 | J | 2.36 | ug/kg wet | 1.89 | | 77.3 | | | |
| Diethyl phthalate | 4.23 | | 2.36 | ug/kg wet | 1.89 | | 225 | | | |
| Dimethyl phthalate | 1.82 | J | 2.36 | ug/kg wet | 1.89 | | 96.5 | | | |
| Di-n-butyl phthalate | 12.5 | | 2.36 | ug/kg wet | 1.89 | | 666 | | | |
| Di-n-octyl phthalate | 1.55 | J | 2.36 | ug/kg wet | 1.89 | | 82.2 | | | |
| Fluoranthene | 1.71 | J | 2.36 | ug/kg wet | 1.89 | | 90.8 | | | |
| Fluorene | 1.56 | J | 2.36 | ug/kg wet | 1.89 | | 82.6 | | | |
| Hexachlorobenzene | 1.84 | J | 2.36 | ug/kg wet | 1.89 | | 97.4 | | | |
| Hexachlorobutadiene | <2.36 | U | 2.36 | ug/kg wet | 1.89 | | | | | |
| Hexachlorocyclopentadiene | <2.36 | J1, U | 2.36 | ug/kg wet | 1.89 | | | | | |
| Hexachloroethane | <2.36 | U | 2.36 | ug/kg wet | 1.89 | | | | | |
| Indeno(1,2,3-cd) pyrene | 1.65 | J | 2.36 | ug/kg wet | 1.89 | | 87.3 | | | |
| Isophorone | 1.67 | J | 2.36 | ug/kg wet | 1.89 | | 88.8 | | | |
| Naphthalene | 1.58 | J | 2.36 | ug/kg wet | 1.89 | | 83.9 | | | |
| Nitrobenzene | 1.67 | J | 2.36 | ug/kg wet | 1.89 | | 88.7 | | | |
| n-Nitrosodimethylamine | <2.36 | J1, U | 2.36 | ug/kg wet | 9.43 | | | 50-150 | | |
| n-Nitrosodi-n-propylamine | 2.79 | | 2.36 | ug/kg wet | 1.89 | | 148 | | | |
| n-Nitrosodiphenylamine | 1.48 | J | 2.36 | ug/kg wet | 1.89 | | 78.6 | | | |
| Pentachlorophenol | 2.65 | J | 4.71 | ug/kg wet | 3.77 | | 70.2 | | | |
| Phenanthrene | 1.60 | J | 2.36 | ug/kg wet | 1.89 | | 84.7 | | | |
| Phenol, Total | 8.91 | | 4.71 | ug/kg wet | 3.77 | | 236 | | | |
| Pyrene | 1.32 | J | 2.36 | ug/kg wet | 1.89 | | 70.2 | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.7* | *ug/kg wet* | *18.9* | | *78.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *30.0* | *ug/kg wet* | *37.7* | | *79.6* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *34.1* | *ug/kg wet* | *37.7* | | *90.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *15.4* | *ug/kg wet* | *18.9* | | *81.8* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *35.6* | *ug/kg wet* | *37.7* | | *94.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.1* | *ug/kg wet* | *18.9* | | *80.0* | *60-140* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570 (Continued)*** | | | | | | | | | | |
| **23A1459-24 MS (BGA3368-MS1)** | | **Source: 23A1459-24RE1** | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | | |
| 1,2,4-Trichlorobenzene | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 17.0 | J | 33.9 | ug/kg dry | 27.1 | <33.9 | 62.7 | 60-140 | | |
| 1,2-Diphenylhydrazine | <33.9 | CQ, J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 19.9 | J | 33.9 | ug/kg dry | 27.1 | <33.9 | 73.6 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 21.9 | J | 33.9 | ug/kg dry | 27.1 | <33.9 | 80.8 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| 2,4,6-Trichlorophenol | <67.8 | J1, U | 67.8 | ug/kg dry | 54.2 | <67.8 | | 60-140 | | |
| 2,4-Dichlorophenol | <67.8 | J1, U | 67.8 | ug/kg dry | 54.2 | <67.8 | | 60-140 | | |
| 2,4-Dimethylphenol | <67.8 | J1, U | 67.8 | ug/kg dry | 54.2 | <67.8 | | 60-140 | | |
| 2,4-Dinitrophenol | <67.8 | J1, U | 67.8 | ug/kg dry | 136 | <67.8 | | 10-51.3 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| 2-Chloronaphthalene | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| 2-Chlorophenol | 35.2 | J | 67.8 | ug/kg dry | 54.2 | <67.8 | 65.0 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <271 | J1, U | 271 | ug/kg dry | 54.2 | <271 | | 60-140 | | |
| 2-Nitrophenol | <67.8 | J1, U | 67.8 | ug/kg dry | 54.2 | <67.8 | | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <33.9 | CQ, J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| 4-Chloro-3-methylphenol | <67.8 | J1, U | 67.8 | ug/kg dry | 54.2 | <67.8 | | 60-140 | | |
| 4-Chlorophenyl phenylether | <33.9 | CQ, J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| 4-Nitrophenol | <33.9 | CQ, J1, U | 33.9 | ug/kg dry | 136 | <33.9 | | 60-140 | | |
| Acenaphthene | 421 | J1 | 33.9 | ug/kg dry | 27.1 | 355 | 246 | 60-140 | | |
| Acenaphthylene | 370 | | 33.9 | ug/kg dry | 27.1 | 333 | 134 | 60-140 | | |
| Anthracene | <33.9 | CQ, J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| Benzo(a)anthracene | 91.0 | CQ | 33.9 | ug/kg dry | 27.1 | 52.9 | 140 | 60-140 | | |
| Benzo(a)pyrene | 52.6 | CQ, J1 | 33.9 | ug/kg dry | 27.1 | <33.9 | 194 | 60-140 | | |
| benzo(b&k)fluoranthene | <33.9 | CQ, J1, U | 33.9 | ug/kg dry | 54.2 | <33.9 | | 60-140 | | |
| Benzo(g,h,i)perylene | 113 | J1, CQ | 33.9 | ug/kg dry | 27.1 | 65.2 | 175 | 60-140 | | |
| bis(2-Chloroethoxy)methane | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| bis(2-Chloroethyl) ether | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 76.0 | CQ, J1 | 33.9 | ug/kg dry | 27.1 | 21.3 | 202 | 60-140 | | |
| Butyl benzyl phthalate | 55.1 | CQ, J1 | 33.9 | ug/kg dry | 27.1 | <33.9 | 203 | 60-140 | | |
| Chrysene | 85.5 | CQ, J1 | 33.9 | ug/kg dry | 27.1 | 71.5 | 51.7 | 60-140 | | |
| Dibenzo(a,h)anthracene | 52.8 | CQ, J1 | 33.9 | ug/kg dry | 27.1 | <33.9 | 195 | 60-140 | | |
| Diethyl phthalate | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| Dimethyl phthalate | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| Di-n-butyl phthalate | 311 | CQ | 33.9 | ug/kg dry | 27.1 | 293 | 66.7 | 60-140 | | |
| Di-n-octyl phthalate | 39.0 | CQ, J1 | 33.9 | ug/kg dry | 27.1 | <33.9 | 144 | 60-140 | | |
| Fluoranthene | 187 | CQ, J1 | 33.9 | ug/kg dry | 27.1 | 181 | 21.2 | 60-140 | | |
| Fluorene | 1750 | CQ, J1, L | 33.9 | ug/kg dry | 27.1 | 1840 | NR | 60-140 | | |
| Hexachlorobenzene | 18.8 | CQ, J | 33.9 | ug/kg dry | 27.1 | <33.9 | 69.3 | 60-140 | | |
| Hexachlorobutadiene | 18.1 | J | 33.9 | ug/kg dry | 27.1 | <33.9 | 66.8 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570 (Continued)*** | | | | | | | | | | |
| **23A1459-24 MS (BGA3368-MS1)** | | **Source: 23A1459-24RE1** | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | | |
| Hexachlorocyclopentadiene | 16.9 | CQ, J1, J | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| Hexachloroethane | 26.9 | J | 33.9 | ug/kg dry | 27.1 | <33.9 | 99.4 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 80.2 | CQ | 33.9 | ug/kg dry | 27.1 | 44.3 | 132 | 60-140 | | |
| Isophorone | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| Naphthalene | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| Nitrobenzene | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| n-Nitrosodimethylamine | <33.9 | J1, U | 33.9 | ug/kg dry | 136 | <33.9 | | 60-140 | | |
| n-Nitrosodi-n-propylamine | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| n-Nitrosodiphenylamine | <33.9 | J1, U | 33.9 | ug/kg dry | 27.1 | <33.9 | | 60-140 | | |
| Pentachlorophenol | 52.7 | CQ, J | 67.8 | ug/kg dry | 54.2 | <67.8 | 97.1 | 60-140 | | |
| Phenanthrene | 1320 | CQ, J1 | 33.9 | ug/kg dry | 27.1 | 1380 | NR | 60-140 | | |
| Phenol, Total | 183 | J1 | 67.8 | ug/kg dry | 54.2 | <67.8 | 337 | 60-140 | | |
| Pyrene | 256 | CQ | 33.9 | ug/kg dry | 27.1 | 232 | 89.9 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *164* | *ug/kg dry* | *27.1* | | *603* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *32.0* | *ug/kg dry* | *54.2* | | *59.1* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *CQ* | *34.6* | *ug/kg dry* | *54.2* | | *63.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *324* | *ug/kg dry* | *27.1* | | *NR* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *80.8* | *ug/kg dry* | *54.2* | | *149* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *CQ* | *25.0* | *ug/kg dry* | *27.1* | | *92.2* | *60-140* | | |
| **Matrix Spike (BGA3368-MS2)** | | **Source: 23A1459-24RE3** | | Prepared: 1/26/2023 Analyzed: 3/16/2023 | | | | | | |
| Fluorene | 1420 | J1 | 84.7 | ug/kg dry | 27.1 | 1470 | NR | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *42.9* | *ug/kg dry* | *27.1* | | *158* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *255* | *ug/kg dry* | *27.1* | | *940* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *19.7* | *ug/kg dry* | *27.1* | | *72.8* | *60-140* | | |
| **23A1459-24 MSD (BGA3368-MSD1)** | | **Source: 23A1459-24RE1** | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | | |
| 1,2,4-Trichlorobenzene | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 18.4 | J | 33.2 | ug/kg dry | 26.5 | <33.2 | 69.4 | 60-140 | 7.90 | 40 |
| 1,2-Diphenylhydrazine | <33.2 | CQ, J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 23.7 | J | 33.2 | ug/kg dry | 26.5 | <33.2 | 89.5 | 60-140 | 17.4 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 24.0 | J | 33.2 | ug/kg dry | 26.5 | <33.2 | 90.4 | 60-140 | 9.14 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| 2,4,6-Trichlorophenol | <66.3 | J1, U | 66.3 | ug/kg dry | 53.1 | <66.3 | | 60-140 | | 40 |
| 2,4-Dichlorophenol | <66.3 | J1, U | 66.3 | ug/kg dry | 53.1 | <66.3 | | 60-140 | | 40 |
| 2,4-Dimethylphenol | <66.3 | J1, U | 66.3 | ug/kg dry | 53.1 | <66.3 | | 60-140 | | 40 |
| 2,4-Dinitrophenol | <66.3 | J1, U | 66.3 | ug/kg dry | 133 | <66.3 | | 10-51.3 | | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| 2-Chloronaphthalene | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| 2-Chlorophenol | 35.3 | J | 66.3 | ug/kg dry | 53.1 | <66.3 | 66.6 | 60-140 | 0.316 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570 (Continued)*** | | | | | | | | | | |
| **23A1459-24 MSD (BGA3368-MSD1)** | **Source: 23A1459-24RE1** | | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <265 | J1, U | 265 | ug/kg dry | 53.1 | <265 | | 60-140 | | 40 |
| 2-Nitrophenol | <66.3 | J1, U | 66.3 | ug/kg dry | 53.1 | <66.3 | | 60-140 | | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | <33.2 | CQ, J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| 4-Chloro-3-methylphenol | <66.3 | J1, U | 66.3 | ug/kg dry | 53.1 | <66.3 | | 60-140 | | 40 |
| 4-Chlorophenyl phenylether | <33.2 | CQ, J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| 4-Nitrophenol | <33.2 | CQ, J1, U | 33.2 | ug/kg dry | 133 | <33.2 | | 60-140 | | 40 |
| Acenaphthene | 386 | | 33.2 | ug/kg dry | 26.5 | 355 | 117 | 60-140 | 8.84 | 40 |
| Acenaphthylene | 348 | J1 | 33.2 | ug/kg dry | 26.5 | 333 | 56.2 | 60-140 | 6.00 | 40 |
| Anthracene | <33.2 | CQ, J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| Benzo(a)anthracene | 97.0 | CQ, J1 | 33.2 | ug/kg dry | 26.5 | 52.9 | 166 | 60-140 | 6.42 | 40 |
| Benzo(a)pyrene | 53.7 | CQ, J1 | 33.2 | ug/kg dry | 26.5 | <33.2 | 202 | 60-140 | 2.18 | 40 |
| benzo(b&k)fluoranthene | <33.2 | CQ, J1, U | 33.2 | ug/kg dry | 53.1 | <33.2 | | 60-140 | | 40 |
| Benzo(g,h,i)perylene | 114 | CQ, J1 | 33.2 | ug/kg dry | 26.5 | 65.2 | 185 | 60-140 | 1.36 | 40 |
| bis(2-Chloroethoxy)methane | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| bis(2-Chloroethyl) ether | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| Bis(2-ethylhexyl )phthalate | 64.8 | CQ, J1 | 33.2 | ug/kg dry | 26.5 | 21.3 | 164 | 60-140 | 16.0 | 40 |
| Butyl benzyl phthalate | 41.0 | CQ, J1 | 33.2 | ug/kg dry | 26.5 | <33.2 | 155 | 60-140 | 29.3 | 40 |
| Chrysene | 96.6 | CQ | 33.2 | ug/kg dry | 26.5 | 71.5 | 94.5 | 60-140 | 12.2 | 40 |
| Dibenzo(a,h)anthracene | 61.7 | CQ, J1 | 33.2 | ug/kg dry | 26.5 | <33.2 | 233 | 60-140 | 15.5 | 40 |
| Diethyl phthalate | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| Dimethyl phthalate | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| Di-n-butyl phthalate | 321 | CQ | 33.2 | ug/kg dry | 26.5 | 293 | 105 | 60-140 | 3.09 | 40 |
| Di-n-octyl phthalate | 39.6 | CQ, J1 | 33.2 | ug/kg dry | 26.5 | <33.2 | 149 | 60-140 | 1.71 | 40 |
| Fluoranthene | 207 | CQ | 33.2 | ug/kg dry | 26.5 | 181 | 96.1 | 60-140 | 10.0 | 40 |
| Fluorene | 1790 | CQ, J1, L | 33.2 | ug/kg dry | 26.5 | 1840 | NR | 60-140 | 2.33 | 40 |
| Hexachlorobenzene | <33.2 | CQ, J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | 200 | 40 |
| Hexachlorobutadiene | 20.3 | J | 33.2 | ug/kg dry | 26.5 | <33.2 | 76.4 | 60-140 | 11.3 | 40 |
| Hexachlorocyclopentadiene | 32.1 | CQ, J1, J | 33.2 | ug/kg dry | 26.5 | <33.2 | 121 | 60-140 | 62.0 | 40 |
| Hexachloroethane | 26.1 | J | 33.2 | ug/kg dry | 26.5 | <33.2 | 98.2 | 60-140 | 3.38 | 40 |
| Indeno(1,2,3-cd) pyrene | 73.4 | CQ | 33.2 | ug/kg dry | 26.5 | 44.3 | 110 | 60-140 | 8.79 | 40 |
| Isophorone | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| Naphthalene | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| Nitrobenzene | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| n-Nitrosodimethylamine | <33.2 | J1, U | 33.2 | ug/kg dry | 133 | <33.2 | | 60-140 | | 40 |
| n-Nitrosodi-n-propylamine | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| n-Nitrosodiphenylamine | <33.2 | J1, U | 33.2 | ug/kg dry | 26.5 | <33.2 | | 60-140 | | 40 |
| Pentachlorophenol | 46.2 | CQ, J | 66.3 | ug/kg dry | 53.1 | <66.3 | 87.0 | 60-140 | 13.1 | 40 |
| Phenanthrene | 1310 | J1, CQ | 33.2 | ug/kg dry | 26.5 | 1380 | NR | 60-140 | 0.637 | 40 |
| Phenol, Total | 129 | J1 | 66.3 | ug/kg dry | 53.1 | <66.3 | 243 | 60-140 | 34.6 | 40 |
| Pyrene | 264 | CQ | 33.2 | ug/kg dry | 26.5 | 232 | 124 | 60-140 | 3.26 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *142* | *ug/kg dry* | *26.5* | | *535* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *44.9* | *ug/kg dry* | *53.1* | | *84.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *CQ, S* | *27.4* | *ug/kg dry* | *53.1* | | *51.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *338* | *ug/kg dry* | *26.5* | | *NR* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *67.1* | *ug/kg dry* | *53.1* | | *126* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3368 - SW-3570 (Continued)*** | | | | | | | | | | |
| **23A1459-24 MSD (BGA3368-MSD1)** | | | **Source: 23A1459-24RE1** | | Prepared: 1/26/2023 Analyzed: 2/27/2023 | | | | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *CQ* | *30.0* | *ug/kg dry* | *26.5* | | *113* | *60-140* | | |
| **Matrix Spike Dup (BGA3368-MSD2)** | | | **Source: 23A1459-24RE3** | | Prepared: 1/26/2023 Analyzed: 3/16/2023 | | | | | |
| Fluorene | 1220 | J1 | 82.9 | ug/kg dry | 26.5 | 1470 | NR | 60-140 | 15.1 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *32.8* | *ug/kg dry* | *26.5* | | *124* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *211* | *ug/kg dry* | *26.5* | | *796* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *16.0* | *ug/kg dry* | *26.5* | | *60.4* | *60-140* | | |
| ***Batch: BGA3953 - SW-3511*** | | | | | | | | | | |
| **Blank (BGA3953-BLK1)** | | | | | Prepared: 1/31/2023 Analyzed: 2/7/2023 | | | | | |
| 3,3'-Dichlorobenzidine | <0.560 | U | 0.560 | ug/L | | | | | | |
| Benzidine | <0.560 | U | 0.560 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.40* | *ug/L* | *9.95* | | *94.4* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *20.8* | *ug/L* | *19.9* | | *105* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *25.7* | *ug/L* | *19.9* | | *129* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.8* | *ug/L* | *9.95* | | *108* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *21.6* | *ug/L* | *19.9* | | *109* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.36* | *ug/L* | *9.95* | | *94.0* | *51.9-147* | | |
| **Blank (BGA3953-BLK2)** | | | | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | |
| 1,2,4-Trichlorobenzene | <0.560 | U | 0.560 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.560 | U | 0.560 | ug/L | | | | | | |
| 1,2-Diphenylhydrazine | <0.560 | U | 0.560 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.560 | U | 0.560 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.560 | U | 0.560 | ug/L | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <0.560 | U | 0.560 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.560 | U | 0.560 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.48 | U | 4.48 | ug/L | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.560 | U | 0.560 | ug/L | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <0.560 | U | 0.560 | ug/L | | | | | | |
| 2-Chloronaphthalene | <0.560 | U | 0.560 | ug/L | | | | | | |
| 2-Chlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Nitrophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <0.560 | U | 0.560 | ug/L | | | | | | |
| 4-Chloro-3-methylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Chlorophenyl phenylether | <0.560 | U | 0.560 | ug/L | | | | | | |
| 4-Nitrophenol | <4.48 | U | 4.48 | ug/L | | | | | | |
| Acenaphthene | <0.560 | U | 0.560 | ug/L | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3953 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BGA3953-BLK2)** | | | | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | |
| Acenaphthylene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Anthracene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.560 | U | 0.560 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.560 | U | 0.560 | ug/L | | | | | | |
| bis(2-Chloroethoxy)methane | <0.560 | U | 0.560 | ug/L | | | | | | |
| bis(2-Chloroethyl) ether | <0.560 | U | 0.560 | ug/L | | | | | | |
| Bis(2-ethylhexyl )phthalate | <0.560 | U | 0.560 | ug/L | | | | | | |
| Butyl benzyl phthalate | <0.560 | U | 0.560 | ug/L | | | | | | |
| Chrysene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Diethyl phthalate | 0.617 | | 0.560 | ug/L | | | | | | |
| Dimethyl phthalate | 1.20 | | 0.560 | ug/L | | | | | | |
| Di-n-butyl phthalate | 7.07 | | 0.560 | ug/L | | | | | | |
| Di-n-octyl phthalate | <0.560 | U | 0.560 | ug/L | | | | | | |
| Fluoranthene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Fluorene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Hexachlorobenzene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Hexachlorocyclopentadiene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Hexachloroethane | <0.560 | U | 0.560 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Isophorone | <0.560 | U | 0.560 | ug/L | | | | | | |
| Naphthalene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Nitrobenzene | <0.560 | U | 0.560 | ug/L | | | | | | |
| n-Nitrosodimethylamine | <2.24 | U | 2.24 | ug/L | | | | | | |
| n-Nitrosodi-n-propylamine | <0.560 | U | 0.560 | ug/L | | | | | | |
| n-Nitrosodiphenylamine | <0.560 | U | 0.560 | ug/L | | | | | | |
| Pentachlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| Phenanthrene | <0.560 | U | 0.560 | ug/L | | | | | | |
| Phenol, Total | <1.12 | U | 1.12 | ug/L | | | | | | |
| Pyrene | <0.560 | U | 0.560 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.68* | *ug/L* | *9.95* | | *97.2* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.7* | *ug/L* | *19.9* | | *114* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.4* | *ug/L* | *19.9* | | *97.7* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *8.62* | *ug/L* | *9.95* | | *86.7* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *21.0* | *ug/L* | *19.9* | | *106* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.26* | *ug/L* | *9.95* | | *83.0* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3953 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BS BENZ (BGA3953-BS1)** | | | | | Prepared: 1/31/2023 Analyzed: 2/7/2023 | | | | | |
| 3,3'-Dichlorobenzidine | 5.75 | | 0.561 | ug/L | 9.98 | | 57.6 | 22.3-156 | | |
| Benzidine | 0.563 | J1 | 0.561 | ug/L | 9.98 | | 5.64 | 9.32-162 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *8.20* | *ug/L* | *9.98* | | *82.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.6* | *ug/L* | *20.0* | | *113* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *24.2* | *ug/L* | *20.0* | | *121* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.6* | *ug/L* | *9.98* | | *106* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.5* | *ug/L* | *20.0* | | *103* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.89* | *ug/L* | *9.98* | | *89.0* | *51.9-147* | | |
| **BS SV (BGA3953-BS2)** | | | | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 11.5 | | 0.556 | ug/L | 9.88 | | 117 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 10.5 | | 0.556 | ug/L | 9.88 | | 106 | 60-140 | | |
| 1,2-Diphenylhydrazine | 12.1 | | 0.556 | ug/L | 9.88 | | 122 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 9.21 | | 0.556 | ug/L | 9.88 | | 93.1 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 10.3 | | 0.556 | ug/L | 9.88 | | 104 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 11.6 | | 0.556 | ug/L | 9.88 | | 117 | 60-140 | | |
| 2,4-Dichlorophenol | 22.4 | | 0.556 | ug/L | 19.8 | | 114 | 60-140 | | |
| 2,4-Dimethylphenol | 25.2 | | 1.11 | ug/L | 19.8 | | 128 | 35.9-153 | | |
| 2,4-Dinitrophenol | 64.8 | | 4.45 | ug/L | 49.4 | | 131 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 12.7 | | 0.556 | ug/L | 9.88 | | 129 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 13.0 | | 0.556 | ug/L | 9.88 | | 132 | 60-140 | | |
| 2-Chloronaphthalene | 11.5 | | 0.556 | ug/L | 9.88 | | 117 | 60-140 | | |
| 2-Chlorophenol | 12.7 | | 1.11 | ug/L | 19.8 | | 64.1 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 26.3 | | 1.11 | ug/L | 19.8 | | 133 | 60-140 | | |
| 2-Nitrophenol | 21.8 | | 1.11 | ug/L | 19.8 | | 110 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 11.0 | | 0.556 | ug/L | 9.88 | | 112 | 60-140 | | |
| 4-Chloro-3-methylphenol | 24.0 | | 1.11 | ug/L | 19.8 | | 121 | 60-140 | | |
| 4-Chlorophenyl phenylether | 10.4 | | 0.556 | ug/L | 9.88 | | 106 | 60-140 | | |
| 4-Nitrophenol | 59.0 | | 4.45 | ug/L | 49.4 | | 119 | 60-140 | | |
| Acenaphthene | 11.7 | | 0.556 | ug/L | 9.88 | | 118 | 60-140 | | |
| Acenaphthylene | 13.5 | | 0.556 | ug/L | 9.88 | | 137 | 60-140 | | |
| Anthracene | 11.9 | | 0.556 | ug/L | 9.88 | | 120 | 60-140 | | |
| Benzo(a)anthracene | 12.3 | | 0.556 | ug/L | 9.88 | | 124 | 60-140 | | |
| Benzo(a)pyrene | 12.0 | | 0.556 | ug/L | 9.88 | | 121 | 60-140 | | |
| benzo(b&k)fluoranthene | 24.3 | | 0.556 | ug/L | 19.8 | | 123 | 60-140 | | |
| Benzo(g,h,i)perylene | 11.1 | | 0.556 | ug/L | 9.88 | | 112 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 12.0 | | 0.556 | ug/L | 9.88 | | 121 | 60-140 | | |
| bis(2-Chloroethyl) ether | 8.62 | | 0.556 | ug/L | 9.88 | | 87.3 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 11.4 | | 0.556 | ug/L | 9.88 | | 116 | 60-140 | | |
| Butyl benzyl phthalate | 11.5 | | 0.556 | ug/L | 9.88 | | 116 | 60-140 | | |
| Chrysene | 10.8 | | 0.556 | ug/L | 9.88 | | 109 | 60-140 | | |
| Dibenzo(a,h)anthracene | 11.3 | | 0.556 | ug/L | 9.88 | | 114 | 60-140 | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3953 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BS SV (BGA3953-BS2)** | | | | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | |
| Diethyl phthalate | 12.0 | | 0.556 | ug/L | 9.88 | | 122 | 60-140 | | |
| Dimethyl phthalate | 13.5 | | 0.556 | ug/L | 9.88 | | 137 | 60-140 | | |
| Di-n-butyl phthalate | <0.556 | J1, L, U | 0.556 | ug/L | 9.88 | | | 60-140 | | |
| Di-n-octyl phthalate | 13.4 | | 0.556 | ug/L | 9.88 | | 135 | 60-140 | | |
| Fluoranthene | 11.6 | | 0.556 | ug/L | 9.88 | | 117 | 60-140 | | |
| Fluorene | 11.6 | | 0.556 | ug/L | 9.88 | | 118 | 60-140 | | |
| Hexachlorobenzene | 10.7 | | 0.556 | ug/L | 9.88 | | 109 | 60-140 | | |
| Hexachlorobutadiene | 6.91 | | 0.556 | ug/L | 9.88 | | 69.9 | 60-140 | | |
| Hexachlorocyclopentadiene | 9.30 | | 0.556 | ug/L | 9.88 | | 94.1 | 60-140 | | |
| Hexachloroethane | 8.37 | | 0.556 | ug/L | 9.88 | | 84.7 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 10.9 | | 0.556 | ug/L | 9.88 | | 111 | 60-140 | | |
| Isophorone | 10.7 | | 0.556 | ug/L | 9.88 | | 108 | 60-140 | | |
| Naphthalene | 11.7 | | 0.556 | ug/L | 9.88 | | 118 | 60-140 | | |
| Nitrobenzene | 12.7 | | 0.556 | ug/L | 9.88 | | 128 | 60-140 | | |
| n-Nitrosodimethylamine | 4.57 | | 2.22 | ug/L | 49.4 | | 9.25 | 2.5-65.7 | | |
| n-Nitrosodi-n-propylamine | 11.6 | | 0.556 | ug/L | 9.88 | | 118 | 60-140 | | |
| n-Nitrosodiphenylamine | 9.55 | | 0.556 | ug/L | 9.88 | | 96.6 | 60-140 | | |
| Pentachlorophenol | 24.0 | | 1.11 | ug/L | 19.8 | | 121 | 36.8-149 | | |
| Phenanthrene | 11.6 | | 0.556 | ug/L | 9.88 | | 117 | 60-140 | | |
| Phenol, Total | 21.2 | | 1.11 | ug/L | 19.8 | | 107 | 60-140 | | |
| Pyrene | 9.70 | | 0.556 | ug/L | 9.88 | | 98.1 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.8* | *ug/L* | *9.88* | | *110* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *26.2* | *ug/L* | *19.8* | | *133* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.4* | *ug/L* | *19.8* | | *98.0* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.1* | *ug/L* | *9.88* | | *102* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *26.2* | *ug/L* | *19.8* | | *132* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.07* | *ug/L* | *9.88* | | *91.8* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3953 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BSD BENZ (BGA3953-BSD1)** | | | | | Prepared: 1/31/2023 Analyzed: 2/7/2023 | | | | | |
| 3,3'-Dichlorobenzidine | 6.24 | | 0.550 | ug/L | 9.78 | | 63.8 | 22.3-156 | 8.11 | 40 |
| Benzidine | 0.941 | J1 | 0.550 | ug/L | 9.78 | | 9.63 | 9.32-162 | 50.2 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.15* | *ug/L* | *9.78* | | *93.6* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.3* | *ug/L* | *19.6* | | *119* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *25.9* | *ug/L* | *19.6* | | *133* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.4* | *ug/L* | *9.78* | | *117* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.5* | *ug/L* | *19.6* | | *115* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.26* | *ug/L* | *9.78* | | *94.7* | *51.9-147* | | |
| **BSD SV (BGA3953-BSD2)** | | | | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 9.53 | | 0.562 | ug/L | 10.0 | | 95.3 | 60-140 | 18.9 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 9.17 | | 0.562 | ug/L | 10.0 | | 91.8 | 60-140 | 13.1 | 40 |
| 1,2-Diphenylhydrazine | 11.1 | | 0.562 | ug/L | 10.0 | | 111 | 60-140 | 8.45 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 8.07 | | 0.562 | ug/L | 10.0 | | 80.8 | 60-140 | 13.1 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 8.96 | | 0.562 | ug/L | 10.0 | | 89.6 | 60-140 | 13.7 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 10.1 | | 0.562 | ug/L | 10.0 | | 101 | 60-140 | 13.5 | 40 |
| 2,4-Dichlorophenol | 19.7 | | 0.562 | ug/L | 20.0 | | 98.7 | 60-140 | 12.8 | 40 |
| 2,4-Dimethylphenol | 22.7 | | 1.12 | ug/L | 20.0 | | 113 | 35.9-153 | 10.6 | 40 |
| 2,4-Dinitrophenol | 62.4 | | 4.50 | ug/L | 50.0 | | 125 | 60-140 | 3.76 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 11.3 | | 0.562 | ug/L | 10.0 | | 113 | 60-140 | 11.5 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 11.0 | | 0.562 | ug/L | 10.0 | | 111 | 60-140 | 16.3 | 40 |
| 2-Chloronaphthalene | 10.1 | | 0.562 | ug/L | 10.0 | | 101 | 60-140 | 13.2 | 40 |
| 2-Chlorophenol | 11.0 | J1 | 1.12 | ug/L | 20.0 | | 55.0 | 60-140 | 14.2 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 24.2 | | 1.12 | ug/L | 20.0 | | 121 | 60-140 | 8.62 | 40 |
| 2-Nitrophenol | 21.4 | | 1.12 | ug/L | 20.0 | | 107 | 60-140 | 1.70 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 9.43 | | 0.562 | ug/L | 10.0 | | 94.4 | 60-140 | 15.7 | 40 |
| 4-Chloro-3-methylphenol | 21.2 | | 1.12 | ug/L | 20.0 | | 106 | 60-140 | 12.4 | 40 |
| 4-Chlorophenyl phenylether | 7.34 | | 0.562 | ug/L | 10.0 | | 73.4 | 60-140 | 34.9 | 40 |
| 4-Nitrophenol | 55.7 | | 4.50 | ug/L | 50.0 | | 111 | 60-140 | 5.84 | 40 |
| Acenaphthene | 10.2 | | 0.562 | ug/L | 10.0 | | 102 | 60-140 | 13.5 | 40 |
| Acenaphthylene | 12.0 | | 0.562 | ug/L | 10.0 | | 120 | 60-140 | 11.9 | 40 |
| Anthracene | 10.3 | | 0.562 | ug/L | 10.0 | | 104 | 60-140 | 13.6 | 40 |
| Benzo(a)anthracene | 11.5 | | 0.562 | ug/L | 10.0 | | 115 | 60-140 | 6.82 | 40 |
| Benzo(a)pyrene | 10.7 | | 0.562 | ug/L | 10.0 | | 107 | 60-140 | 11.2 | 40 |
| benzo(b&k)fluoranthene | 18.8 | | 0.562 | ug/L | 20.0 | | 94.0 | 60-140 | 25.5 | 40 |
| Benzo(g,h,i)perylene | 9.30 | | 0.562 | ug/L | 10.0 | | 93.1 | 60-140 | 17.2 | 40 |
| bis(2-Chloroethoxy)methane | 10.4 | | 0.562 | ug/L | 10.0 | | 104 | 60-140 | 14.1 | 40 |
| bis(2-Chloroethyl) ether | 9.61 | | 0.562 | ug/L | 10.0 | | 96.1 | 60-140 | 10.8 | 40 |
| Bis(2-ethylhexyl )phthalate | 10.1 | | 0.562 | ug/L | 10.0 | | 101 | 60-140 | 12.2 | 40 |
| Butyl benzyl phthalate | 10.5 | | 0.562 | ug/L | 10.0 | | 105 | 60-140 | 8.71 | 40 |
| Chrysene | 9.66 | | 0.562 | ug/L | 10.0 | | 96.7 | 60-140 | 10.7 | 40 |
| Dibenzo(a,h)anthracene | 10.3 | | 0.562 | ug/L | 10.0 | | 104 | 60-140 | 8.75 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3953 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BSD SV (BGA3953-BSD2)** | | | | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | |
| Diethyl phthalate | 10.5 | | 0.562 | ug/L | 10.0 | | 105 | 60-140 | 13.3 | 40 |
| Dimethyl phthalate | 11.3 | | 0.562 | ug/L | 10.0 | | 113 | 60-140 | 18.4 | 40 |
| Di-n-butyl phthalate | 18.4 | J1, L | 0.562 | ug/L | 10.0 | | 184 | 60-140 | 200 | 40 |
| Di-n-octyl phthalate | 11.6 | | 0.562 | ug/L | 10.0 | | 117 | 60-140 | 13.8 | 40 |
| Fluoranthene | 10.1 | | 0.562 | ug/L | 10.0 | | 101 | 60-140 | 13.9 | 40 |
| Fluorene | 9.56 | | 0.562 | ug/L | 10.0 | | 95.7 | 60-140 | 19.6 | 40 |
| Hexachlorobenzene | 8.38 | | 0.562 | ug/L | 10.0 | | 83.8 | 60-140 | 24.6 | 40 |
| Hexachlorobutadiene | 5.86 | J1 | 0.562 | ug/L | 10.0 | | 58.7 | 60-140 | 16.4 | 40 |
| Hexachlorocyclopentadiene | 9.45 | | 0.562 | ug/L | 10.0 | | 94.6 | 60-140 | 1.67 | 40 |
| Hexachloroethane | 7.33 | | 0.562 | ug/L | 10.0 | | 73.3 | 60-140 | 13.3 | 40 |
| Indeno(1,2,3-cd) pyrene | 10.2 | | 0.562 | ug/L | 10.0 | | 102 | 60-140 | 7.38 | 40 |
| Isophorone | 9.05 | | 0.562 | ug/L | 10.0 | | 90.5 | 60-140 | 16.4 | 40 |
| Naphthalene | 9.90 | | 0.562 | ug/L | 10.0 | | 99.1 | 60-140 | 16.4 | 40 |
| Nitrobenzene | 11.3 | | 0.562 | ug/L | 10.0 | | 113 | 60-140 | 11.3 | 40 |
| n-Nitrosodimethylamine | 4.02 | | 2.25 | ug/L | 50.0 | | 8.05 | 2.5-65.7 | 12.7 | 40 |
| n-Nitrosodi-n-propylamine | 10.3 | | 0.562 | ug/L | 10.0 | | 104 | 60-140 | 11.8 | 40 |
| n-Nitrosodiphenylamine | 7.85 | | 0.562 | ug/L | 10.0 | | 78.6 | 60-140 | 19.5 | 40 |
| Pentachlorophenol | 21.0 | | 1.12 | ug/L | 20.0 | | 105 | 36.8-149 | 13.2 | 40 |
| Phenanthrene | 10.2 | | 0.562 | ug/L | 10.0 | | 102 | 60-140 | 12.9 | 40 |
| Phenol, Total | 19.7 | | 1.12 | ug/L | 20.0 | | 98.5 | 60-140 | 7.39 | 40 |
| Pyrene | 7.07 | | 0.562 | ug/L | 10.0 | | 70.7 | 60-140 | 31.3 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.87* | *ug/L* | *10.0* | | *98.8* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.3* | *ug/L* | *20.0* | | *116* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.2* | *ug/L* | *20.0* | | *85.8* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.88* | *ug/L* | *10.0* | | *98.8* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *25.4* | *ug/L* | *20.0* | | *127* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.98* | *ug/L* | *10.0* | | *79.8* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3953 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL BENZ (BGA3953-MRL1)** | | | | | Prepared: 1/31/2023 Analyzed: 2/7/2023 | | | | | |
| 3,3'-Dichlorobenzidine | <0.560 | U | 0.560 | ug/L | 0.498 | | | | | |
| Benzidine | <0.560 | J1, U | 0.560 | ug/L | 0.498 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.32* | *ug/L* | *9.96* | | *93.6* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.2* | *ug/L* | *19.9* | | *117* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *25.8* | *ug/L* | *19.9* | | *130* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *11.1* | *ug/L* | *9.96* | | *112* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.4* | *ug/L* | *19.9* | | *113* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.08* | *ug/L* | *9.96* | | *91.2* | *51.9-147* | | |
| **MDL SV (BGA3953-MRL2)** | | | | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 0.533 | J | 0.558 | ug/L | 0.496 | | 107 | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 0.573 | | 0.558 | ug/L | 0.496 | | 115 | | | |
| 1,2-Diphenylhydrazine | 0.727 | | 0.558 | ug/L | 0.496 | | 146 | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 0.459 | J | 0.558 | ug/L | 0.496 | | 92.4 | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 0.485 | J | 0.558 | ug/L | 0.496 | | 97.6 | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 0.662 | | 0.558 | ug/L | 0.496 | | 133 | | | |
| 2,4-Dichlorophenol | 1.17 | | 0.558 | ug/L | 0.993 | | 118 | 50-150 | | |
| 2,4-Dimethylphenol | 1.17 | | 1.12 | ug/L | 0.993 | | 118 | | | |
| 2,4-Dinitrophenol | <4.47 | U | 4.47 | ug/L | 2.48 | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 0.389 | J | 0.558 | ug/L | 0.496 | | 78.4 | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 0.953 | | 0.558 | ug/L | 0.496 | | 192 | | | |
| 2-Chloronaphthalene | 0.556 | J | 0.558 | ug/L | 0.496 | | 112 | | | |
| 2-Chlorophenol | 0.644 | J | 1.12 | ug/L | 0.993 | | 64.9 | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 0.922 | J | 1.12 | ug/L | 0.993 | | 92.9 | | | |
| 2-Nitrophenol | 1.35 | | 1.12 | ug/L | 0.993 | | 136 | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 0.350 | J | 0.558 | ug/L | 0.496 | | 70.5 | | | |
| 4-Chloro-3-methylphenol | 1.30 | | 1.12 | ug/L | 0.993 | | 130 | | | |
| 4-Chlorophenyl phenylether | 0.398 | J | 0.558 | ug/L | 0.496 | | 80.2 | | | |
| 4-Nitrophenol | <4.47 | U | 4.47 | ug/L | 2.48 | | | | | |
| Acenaphthene | 0.542 | J | 0.558 | ug/L | 0.496 | | 109 | | | |
| Acenaphthylene | 0.727 | | 0.558 | ug/L | 0.496 | | 147 | | | |
| Anthracene | 0.381 | J | 0.558 | ug/L | 0.496 | | 76.8 | | | |
| Benzo(a)anthracene | 0.610 | | 0.558 | ug/L | 0.496 | | 123 | | | |
| Benzo(a)pyrene | 0.581 | | 0.558 | ug/L | 0.496 | | 117 | | | |
| benzo(b&k)fluoranthene | 1.11 | | 0.558 | ug/L | 0.993 | | 111 | 50-150 | | |
| Benzo(g,h,i)perylene | 0.469 | J | 0.558 | ug/L | 0.496 | | 94.5 | | | |
| bis(2-Chloroethoxy)methane | 0.696 | | 0.558 | ug/L | 0.496 | | 140 | | | |
| bis(2-Chloroethyl) ether | 0.600 | | 0.558 | ug/L | 0.496 | | 121 | | | |
| Bis(2-ethylhexyl )phthalate | 0.507 | J | 0.558 | ug/L | 0.496 | | 102 | | | |
| Butyl benzyl phthalate | 0.502 | J | 0.558 | ug/L | 0.496 | | 101 | | | |
| Chrysene | 0.382 | J | 0.558 | ug/L | 0.496 | | 77.0 | | | |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3953 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL SV (BGA3953-MRL2)** | | | | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | |
| Dibenzo(a,h)anthracene | 0.409 | J | 0.558 | ug/L | 0.496 | | 82.4 | | | |
| Diethyl phthalate | 1.26 | | 0.558 | ug/L | 0.496 | | 254 | | | |
| Dimethyl phthalate | 1.82 | | 0.558 | ug/L | 0.496 | | 367 | | | |
| Di-n-butyl phthalate | 7.40 | | 0.558 | ug/L | 0.496 | | NR | | | |
| Di-n-octyl phthalate | 0.562 | | 0.558 | ug/L | 0.496 | | 113 | | | |
| Fluoranthene | 0.298 | J | 0.558 | ug/L | 0.496 | | 60.0 | | | |
| Fluorene | 0.641 | | 0.558 | ug/L | 0.496 | | 129 | | | |
| Hexachlorobenzene | 0.350 | J | 0.558 | ug/L | 0.496 | | 70.6 | | | |
| Hexachlorobutadiene | 0.302 | J | 0.558 | ug/L | 0.496 | | 60.8 | | | |
| Hexachlorocyclopentadiene | 0.796 | | 0.558 | ug/L | 0.496 | | 160 | | | |
| Hexachloroethane | 0.376 | J | 0.558 | ug/L | 0.496 | | 75.7 | | | |
| Indeno(1,2,3-cd) pyrene | 0.460 | J | 0.558 | ug/L | 0.496 | | 92.7 | | | |
| Isophorone | 0.480 | J | 0.558 | ug/L | 0.496 | | 96.6 | | | |
| Naphthalene | 0.533 | J | 0.558 | ug/L | 0.496 | | 107 | | | |
| Nitrobenzene | 0.677 | | 0.558 | ug/L | 0.496 | | 136 | | | |
| n-Nitrosodimethylamine | 0.539 | J1, J | 2.23 | ug/L | 2.48 | | 21.7 | 50-150 | | |
| n-Nitrosodi-n-propylamine | 0.789 | | 0.558 | ug/L | 0.496 | | 159 | | | |
| n-Nitrosodiphenylamine | 0.501 | J | 0.558 | ug/L | 0.496 | | 101 | | | |
| Pentachlorophenol | 0.590 | J | 1.12 | ug/L | 0.993 | | 59.5 | | | |
| Phenanthrene | 0.483 | J | 0.558 | ug/L | 0.496 | | 97.3 | | | |
| Phenol, Total | 1.36 | | 1.12 | ug/L | 0.993 | | 137 | | | |
| Pyrene | 0.352 | J | 0.558 | ug/L | 0.496 | | 70.9 | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.61* | *ug/L* | *9.93* | | *96.8* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.8* | *ug/L* | *19.9* | | *115* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.0* | *ug/L* | *19.9* | | *95.9* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.03* | *ug/L* | *9.93* | | *90.9* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *22.4* | *ug/L* | *19.9* | | *113* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.10* | *ug/L* | *9.93* | | *91.7* | *51.9-147* | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3953 - SW-3511 (Continued)*** | | | | | | | | | | |
| **23A1459-02 MS (BGA3953-MS1)** | | **Source: 23A1459-02RE1** | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | | |
| 1,2,4-Trichlorobenzene | 10.6 | | 0.556 | ug/L | 9.89 | <0.556 | 108 | 35.3-142 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 9.70 | | 0.556 | ug/L | 9.89 | <0.556 | 98.1 | 31.4-142 | | |
| 1,2-Diphenylhydrazine | 11.7 | | 0.556 | ug/L | 9.89 | <0.556 | 119 | 48.9-156 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 8.72 | | 0.556 | ug/L | 9.89 | <0.556 | 88.2 | 30.5-135 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 9.85 | | 0.556 | ug/L | 9.89 | <0.556 | 99.6 | 37.2-133 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 11.0 | | 0.556 | ug/L | 9.89 | <0.556 | 112 | 41.7-151 | | |
| 2,4-Dichlorophenol | 21.2 | | 0.556 | ug/L | 19.8 | <0.556 | 107 | 42.7-158 | | |
| 2,4-Dimethylphenol | 24.1 | | 1.11 | ug/L | 19.8 | <1.11 | 122 | 38.4-170 | | |
| 2,4-Dinitrophenol | 61.7 | | 4.45 | ug/L | 49.4 | <4.45 | 125 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 12.1 | | 0.556 | ug/L | 9.89 | <0.556 | 122 | 50.3-144 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 12.4 | | 0.556 | ug/L | 9.89 | <0.556 | 125 | 43.7-157 | | |
| 2-Chloronaphthalene | 10.9 | | 0.556 | ug/L | 9.89 | <0.556 | 110 | 27.4-158 | | |
| 2-Chlorophenol | 12.4 | | 1.11 | ug/L | 19.8 | <1.11 | 62.8 | 49.2-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 24.1 | | 1.11 | ug/L | 19.8 | <1.11 | 122 | 41.9-153 | | |
| 2-Nitrophenol | 23.1 | | 1.11 | ug/L | 19.8 | <1.11 | 117 | 51.9-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 10.2 | | 0.556 | ug/L | 9.89 | <0.556 | 103 | 45.2-146 | | |
| 4-Chloro-3-methylphenol | 23.1 | | 1.11 | ug/L | 19.8 | <1.11 | 117 | 46.9-147 | | |
| 4-Chlorophenyl phenylether | 8.64 | | 0.556 | ug/L | 9.89 | <0.556 | 87.4 | 44.5-143 | | |
| 4-Nitrophenol | 60.1 | | 4.45 | ug/L | 49.4 | <4.45 | 122 | 2-173 | | |
| Acenaphthene | 10.8 | | 0.556 | ug/L | 9.89 | <0.556 | 110 | 47.3-149 | | |
| Acenaphthylene | 12.9 | | 0.556 | ug/L | 9.89 | <0.556 | 131 | 56.5-173 | | |
| Anthracene | 11.1 | | 0.556 | ug/L | 9.89 | <0.556 | 112 | 49.7-160 | | |
| Benzo(a)anthracene | 10.7 | | 0.556 | ug/L | 9.89 | <0.556 | 108 | 41.7-151 | | |
| Benzo(a)pyrene | 9.25 | | 0.556 | ug/L | 9.89 | <0.556 | 93.5 | 45.4-133 | | |
| benzo(b&k)fluoranthene | 19.6 | | 0.556 | ug/L | 19.8 | <0.556 | 99.3 | 55.3-137 | | |
| Benzo(g,h,i)perylene | 8.01 | | 0.556 | ug/L | 9.89 | <0.556 | 81.0 | 37.9-152 | | |
| bis(2-Chloroethoxy)methane | 11.3 | | 0.556 | ug/L | 9.89 | <0.556 | 114 | 40.1-151 | | |
| bis(2-Chloroethyl) ether | 8.68 | | 0.556 | ug/L | 9.89 | <0.556 | 87.7 | 45.9-163 | | |
| Bis(2-ethylhexyl )phthalate | 6.87 | | 0.556 | ug/L | 9.89 | <0.556 | 69.5 | 38.3-135 | | |
| Butyl benzyl phthalate | 9.87 | | 0.556 | ug/L | 9.89 | <0.556 | 99.8 | 41.1-148 | | |
| Chrysene | 9.03 | | 0.556 | ug/L | 9.89 | <0.556 | 91.3 | 51-147 | | |
| Dibenzo(a,h)anthracene | 7.39 | | 0.556 | ug/L | 9.89 | <0.556 | 74.8 | 27.5-156 | | |
| Diethyl phthalate | 11.5 | | 0.556 | ug/L | 9.89 | 0.522 | 111 | 53.4-146 | | |
| Dimethyl phthalate | 11.7 | | 0.556 | ug/L | 9.89 | <0.556 | 118 | 53-151 | | |
| Di-n-butyl phthalate | 11.0 | | 0.556 | ug/L | 9.89 | 1.19 | 98.8 | 25.4-168 | | |
| Di-n-octyl phthalate | 7.53 | | 0.556 | ug/L | 9.89 | <0.556 | 76.2 | 39.2-123 | | |
| Fluoranthene | 10.6 | | 0.556 | ug/L | 9.89 | <0.556 | 108 | 45.3-156 | | |
| Fluorene | 11.0 | | 0.556 | ug/L | 9.89 | <0.556 | 111 | 56.3-145 | | |
| Hexachlorobenzene | 8.95 | | 0.556 | ug/L | 9.89 | <0.556 | 90.5 | 56.1-137 | | |
| Hexachlorobutadiene | 6.55 | | 0.556 | ug/L | 9.89 | <0.556 | 66.3 | 33.1-110 | | |
| Hexachlorocyclopentadiene | 9.34 | | 0.556 | ug/L | 9.89 | <0.556 | 94.5 | 2-179 | | |
| Hexachloroethane | 7.58 | | 0.556 | ug/L | 9.89 | <0.556 | 76.7 | 36.2-106 | | |

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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3953 - SW-3511 (Continued)*** | | | | | | | | | | |
| **23A1459-02 MS (BGA3953-MS1)** | | **Source: 23A1459-02RE1** | | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | |
| Indeno(1,2,3-cd) pyrene | 7.69 | | 0.556 | ug/L | 9.89 | <0.556 | 77.7 | 33.4-153 | | |
| Isophorone | 9.43 | | 0.556 | ug/L | 9.89 | <0.556 | 95.4 | 43.3-154 | | |
| Naphthalene | 11.2 | | 0.556 | ug/L | 9.89 | <0.556 | 113 | 45.1-153 | | |
| Nitrobenzene | 13.2 | | 0.556 | ug/L | 9.89 | <0.556 | 134 | 54.9-156 | | |
| n-Nitrosodimethylamine | 4.91 | | 2.22 | ug/L | 49.4 | <2.22 | 9.93 | 2-56.4 | | |
| n-Nitrosodi-n-propylamine | 10.9 | | 0.556 | ug/L | 9.89 | <0.556 | 110 | 38.3-160 | | |
| n-Nitrosodiphenylamine | 7.41 | | 0.556 | ug/L | 9.89 | <0.556 | 75.0 | 38.1-163 | | |
| Pentachlorophenol | 22.5 | | 1.11 | ug/L | 19.8 | <1.11 | 114 | 42.2-151 | | |
| Phenanthrene | 10.9 | | 0.556 | ug/L | 9.89 | <0.556 | 110 | 45.3-165 | | |
| Phenol, Total | 21.4 | | 1.11 | ug/L | 19.8 | 0.803 | 104 | 39.8-164 | | |
| Pyrene | 8.86 | | 0.556 | ug/L | 9.89 | <0.556 | 89.6 | 46.3-149 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.3* | *ug/L* | *9.89* | | *105* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *25.1* | *ug/L* | *19.8* | | *127* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.5* | *ug/L* | *19.8* | | *93.4* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.94* | *ug/L* | *9.89* | | *101* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *26.1* | *ug/L* | *19.8* | | *132* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *6.91* | *ug/L* | *9.89* | | *69.9* | *51.9-147* | | |
| **23A1459-02 MSD (BGA3953-MSD1)** | | **Source: 23A1459-02RE1** | | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 9.43 | | 0.559 | ug/L | 9.94 | <0.559 | 94.9 | 35.3-142 | 12.0 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 9.66 | | 0.559 | ug/L | 9.94 | <0.559 | 97.2 | 31.4-142 | 0.363 | 40 |
| 1,2-Diphenylhydrazine | 10.9 | | 0.559 | ug/L | 9.94 | <0.559 | 109 | 48.9-156 | 7.56 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 7.96 | | 0.559 | ug/L | 9.94 | <0.559 | 80.1 | 30.5-135 | 9.15 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 9.34 | | 0.559 | ug/L | 9.94 | <0.559 | 93.9 | 37.2-133 | 5.38 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 11.1 | | 0.559 | ug/L | 9.94 | <0.559 | 111 | 41.7-151 | 0.358 | 40 |
| 2,4-Dichlorophenol | 21.3 | | 0.559 | ug/L | 19.9 | <0.559 | 107 | 42.7-158 | 0.638 | 40 |
| 2,4-Dimethylphenol | 22.9 | | 1.12 | ug/L | 19.9 | <1.12 | 115 | 38.4-170 | 5.12 | 40 |
| 2,4-Dinitrophenol | 65.1 | | 4.47 | ug/L | 49.7 | <4.47 | 131 | 60-140 | 5.44 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 11.8 | | 0.559 | ug/L | 9.94 | <0.559 | 119 | 50.3-144 | 2.30 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 11.8 | | 0.559 | ug/L | 9.94 | <0.559 | 119 | 43.7-157 | 4.70 | 40 |
| 2-Chloronaphthalene | 9.93 | | 0.559 | ug/L | 9.94 | <0.559 | 99.9 | 27.4-158 | 8.90 | 40 |
| 2-Chlorophenol | 11.8 | | 1.12 | ug/L | 19.9 | <1.12 | 59.4 | 49.2-150 | 5.17 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 24.6 | | 1.12 | ug/L | 19.9 | <1.12 | 124 | 41.9-153 | 2.07 | 40 |
| 2-Nitrophenol | 20.8 | | 1.12 | ug/L | 19.9 | <1.12 | 105 | 51.9-150 | 10.4 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 9.04 | | 0.559 | ug/L | 9.94 | <0.559 | 91.0 | 45.2-146 | 11.9 | 40 |
| 4-Chloro-3-methylphenol | 21.6 | | 1.12 | ug/L | 19.9 | <1.12 | 108 | 46.9-147 | 6.68 | 40 |
| 4-Chlorophenyl phenylether | 7.66 | | 0.559 | ug/L | 9.94 | <0.559 | 77.1 | 44.5-143 | 12.0 | 40 |
| 4-Nitrophenol | 57.3 | | 4.47 | ug/L | 49.7 | <4.47 | 115 | 2-173 | 4.81 | 40 |
| Acenaphthene | 9.98 | | 0.559 | ug/L | 9.94 | <0.559 | 100 | 47.3-149 | 8.28 | 40 |
| Acenaphthylene | 11.8 | | 0.559 | ug/L | 9.94 | <0.559 | 119 | 56.5-173 | 8.91 | 40 |
| Anthracene | 10.0 | | 0.559 | ug/L | 9.94 | <0.559 | 101 | 49.7-160 | 10.1 | 40 |
| Benzo(a)anthracene | 10.2 | | 0.559 | ug/L | 9.94 | <0.559 | 103 | 41.7-151 | 4.68 | 40 |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3953 - SW-3511 (Continued)*** | | | | | | | | | | |
| **23A1459-02 MSD (BGA3953-MSD1)** | | **Source: 23A1459-02RE1** | | Prepared: 1/31/2023 Analyzed: 2/13/2023 | | | | | | |
| Benzo(a)pyrene | 8.59 | | 0.559 | ug/L | 9.94 | <0.559 | 86.4 | 45.4-133 | 7.36 | 40 |
| benzo(b&k)fluoranthene | 18.8 | | 0.559 | ug/L | 19.9 | <0.559 | 94.7 | 55.3-137 | 4.20 | 40 |
| Benzo(g,h,i)perylene | 7.48 | | 0.559 | ug/L | 9.94 | <0.559 | 75.3 | 37.9-152 | 6.80 | 40 |
| bis(2-Chloroethoxy)methane | 11.0 | | 0.559 | ug/L | 9.94 | <0.559 | 110 | 40.1-151 | 2.53 | 40 |
| bis(2-Chloroethyl) ether | 9.19 | | 0.559 | ug/L | 9.94 | <0.559 | 92.5 | 45.9-163 | 5.79 | 40 |
| Bis(2-ethylhexyl )phthalate | 6.32 | | 0.559 | ug/L | 9.94 | <0.559 | 63.6 | 38.3-135 | 8.30 | 40 |
| Butyl benzyl phthalate | 9.22 | | 0.559 | ug/L | 9.94 | <0.559 | 92.8 | 41.1-148 | 6.79 | 40 |
| Chrysene | 8.28 | | 0.559 | ug/L | 9.94 | <0.559 | 83.3 | 51-147 | 8.66 | 40 |
| Dibenzo(a,h)anthracene | 7.05 | | 0.559 | ug/L | 9.94 | <0.559 | 70.9 | 27.5-156 | 4.77 | 40 |
| Diethyl phthalate | 10.3 | | 0.559 | ug/L | 9.94 | 0.522 | 98.4 | 53.4-146 | 10.5 | 40 |
| Dimethyl phthalate | 10.7 | | 0.559 | ug/L | 9.94 | <0.559 | 108 | 53-151 | 8.93 | 40 |
| Di-n-butyl phthalate | 9.80 | | 0.559 | ug/L | 9.94 | 1.19 | 86.6 | 25.4-168 | 11.2 | 40 |
| Di-n-octyl phthalate | 6.94 | | 0.559 | ug/L | 9.94 | <0.559 | 69.9 | 39.2-123 | 8.13 | 40 |
| Fluoranthene | 9.84 | | 0.559 | ug/L | 9.94 | <0.559 | 99.0 | 45.3-156 | 7.69 | 40 |
| Fluorene | 9.84 | | 0.559 | ug/L | 9.94 | <0.559 | 99.0 | 56.3-145 | 10.8 | 40 |
| Hexachlorobenzene | 7.97 | | 0.559 | ug/L | 9.94 | <0.559 | 80.2 | 56.1-137 | 11.6 | 40 |
| Hexachlorobutadiene | 6.16 | | 0.559 | ug/L | 9.94 | <0.559 | 62.0 | 33.1-110 | 6.11 | 40 |
| Hexachlorocyclopentadiene | 9.74 | | 0.559 | ug/L | 9.94 | <0.559 | 98.0 | 2-179 | 4.18 | 40 |
| Hexachloroethane | 7.69 | | 0.559 | ug/L | 9.94 | <0.559 | 77.3 | 36.2-106 | 1.37 | 40 |
| Indeno(1,2,3-cd) pyrene | 7.30 | | 0.559 | ug/L | 9.94 | <0.559 | 73.5 | 33.4-153 | 5.15 | 40 |
| Isophorone | 9.70 | | 0.559 | ug/L | 9.94 | <0.559 | 97.6 | 43.3-154 | 2.79 | 40 |
| Naphthalene | 10.4 | | 0.559 | ug/L | 9.94 | <0.559 | 105 | 45.1-153 | 7.58 | 40 |
| Nitrobenzene | 12.3 | | 0.559 | ug/L | 9.94 | <0.559 | 124 | 54.9-156 | 7.44 | 40 |
| n-Nitrosodimethylamine | 4.78 | | 2.24 | ug/L | 49.7 | <2.24 | 9.61 | 2-56.4 | 2.74 | 40 |
| n-Nitrosodi-n-propylamine | 11.1 | | 0.559 | ug/L | 9.94 | <0.559 | 112 | 38.3-160 | 1.68 | 40 |
| n-Nitrosodiphenylamine | 5.14 | | 0.559 | ug/L | 9.94 | <0.559 | 51.7 | 38.1-163 | 36.3 | 40 |
| Pentachlorophenol | 21.3 | | 1.12 | ug/L | 19.9 | <1.12 | 107 | 42.2-151 | 5.81 | 40 |
| Phenanthrene | 10.3 | | 0.559 | ug/L | 9.94 | <0.559 | 104 | 45.3-165 | 5.16 | 40 |
| Phenol, Total | 20.1 | | 1.12 | ug/L | 19.9 | 0.803 | 97.2 | 39.8-164 | 5.87 | 40 |
| Pyrene | 8.36 | | 0.559 | ug/L | 9.94 | <0.559 | 84.1 | 46.3-149 | 5.84 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.18* | *ug/L* | *9.94* | | *92.4* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.2* | *ug/L* | *19.9* | | *117* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.3* | *ug/L* | *19.9* | | *87.1* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.06* | *ug/L* | *9.94* | | *91.1* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *24.8* | *ug/L* | *19.9* | | *125* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *6.92* | *ug/L* | *9.94* | | *69.7* | *51.9-147* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0288 - SW-3570*** | | | | | | | | | | |
| **Blank (BGB0288-BLK1)** | | | | Prepared: 2/2/2023 Analyzed: 2/9/2023 | | | | | | |
| 3,3'-Dichlorobenzidine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzidine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.2* | *ug/kg wet* | *20.0* | | *70.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *36.8* | *ug/kg wet* | *40.0* | | *92.1* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *42.2* | *ug/kg wet* | *40.0* | | *105* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *20.0* | *ug/kg wet* | *20.0* | | *100* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *40.0* | *ug/kg wet* | *40.0* | | *100* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.6* | *ug/kg wet* | *20.0* | | *78.0* | *60-140* | | |
| **Blank (BGB0288-BLK2)** | | | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | | |
| 1,2,4-Trichlorobenzene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 1,2-Diphenylhydrazine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 2,4,6-Trichlorophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 2,4-Dichlorophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 2,4-Dimethylphenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 2,4-Dinitrophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 2-Chloronaphthalene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 2-Chlorophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <20.0 | U | 20.0 | ug/kg wet | | | | | | |
| 2-Nitrophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 4-Chloro-3-methylphenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 4-Chlorophenyl phenylether | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 4-Nitrophenol | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Acenaphthene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Acenaphthylene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Anthracene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(a)anthracene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(a)pyrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(b)fluoranthene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(g,h,i)perylene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(k)fluoranthene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| bis(2-Chloroethoxy)methane | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| bis(2-Chloroethyl) ether | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Bis(2-ethylhexyl )phthalate | <2.50 | U | 2.50 | ug/kg wet | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0288 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BGB0288-BLK2)** | | | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | | |
| Butyl benzyl phthalate | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Chrysene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Dibenzo(a,h)anthracene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Diethyl phthalate | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Dimethyl phthalate | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Di-n-butyl phthalate | 1.58 | J | 2.50 | ug/kg wet | | | | | | |
| Di-n-octyl phthalate | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Fluoranthene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Fluorene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Hexachlorobenzene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Hexachlorobutadiene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Hexachlorocyclopentadiene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Hexachloroethane | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Indeno(1,2,3-cd) pyrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Isophorone | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Naphthalene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Nitrobenzene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| n-Nitrosodimethylamine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| n-Nitrosodi-n-propylamine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| n-Nitrosodiphenylamine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Pentachlorophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| Phenanthrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Phenol, Total | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| Pyrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *11.0* | *ug/kg wet* | *20.0* | | *55.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *23.5* | *ug/kg wet* | *40.0* | | *58.8* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *23.5* | *ug/kg wet* | *40.0* | | *58.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *10.1* | *ug/kg wet* | *20.0* | | *50.5* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *21.9* | *ug/kg wet* | *40.0* | | *54.7* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *11.2* | *ug/kg wet* | *20.0* | | *56.0* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0288 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BS BENZ (BGB0288-BS1)** | | | | | Prepared: 2/2/2023 Analyzed: 2/9/2023 | | | | | |
| 3,3'-Dichlorobenzidine | 3.39 | J1 | 2.50 | ug/kg wet | 20.0 | | 16.9 | 60-140 | | |
| Benzidine | <2.50 | J1, U | 2.50 | ug/kg wet | 20.0 | | | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.9* | *ug/kg wet* | *20.0* | | *69.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *36.4* | *ug/kg wet* | *40.0* | | *91.0* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *40.5* | *ug/kg wet* | *40.0* | | *101* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *19.9* | *ug/kg wet* | *20.0* | | *99.3* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *39.3* | *ug/kg wet* | *40.0* | | *98.2* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.4* | *ug/kg wet* | *20.0* | | *77.1* | *60-140* | | |
| **BS SV (BGB0288-BS2)** | | | | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 14.0 | | 2.50 | ug/kg wet | 20.0 | | 70.1 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 12.5 | | 2.50 | ug/kg wet | 20.0 | | 62.5 | 60-140 | | |
| 1,2-Diphenylhydrazine | 16.7 | | 2.50 | ug/kg wet | 20.0 | | 83.6 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 11.6 | J1 | 2.50 | ug/kg wet | 20.0 | | 58.1 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 12.3 | | 2.50 | ug/kg wet | 20.0 | | 61.6 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 16.4 | | 2.50 | ug/kg wet | 20.0 | | 81.8 | 60-140 | | |
| 2,4,6-Trichlorophenol | 32.5 | | 5.00 | ug/kg wet | 40.0 | | 81.4 | 60-140 | | |
| 2,4-Dichlorophenol | 33.6 | | 5.00 | ug/kg wet | 40.0 | | 84.0 | 60-140 | | |
| 2,4-Dimethylphenol | 39.6 | | 5.00 | ug/kg wet | 40.0 | | 99.1 | 60-140 | | |
| 2,4-Dinitrophenol | 24.8 | | 5.00 | ug/kg wet | 100 | | 24.8 | 10-50.4 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 15.7 | | 2.50 | ug/kg wet | 20.0 | | 78.4 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 16.8 | | 2.50 | ug/kg wet | 20.0 | | 84.1 | 60-140 | | |
| 2-Chloronaphthalene | 14.7 | | 2.50 | ug/kg wet | 20.0 | | 73.3 | 60-140 | | |
| 2-Chlorophenol | 36.9 | | 5.00 | ug/kg wet | 40.0 | | 92.3 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 23.9 | J1 | 20.0 | ug/kg wet | 40.0 | | 59.8 | 60-140 | | |
| 2-Nitrophenol | 33.6 | | 5.00 | ug/kg wet | 40.0 | | 83.9 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 16.5 | | 2.50 | ug/kg wet | 20.0 | | 82.6 | 60-140 | | |
| 4-Chloro-3-methylphenol | 33.9 | | 5.00 | ug/kg wet | 40.0 | | 84.7 | 60-140 | | |
| 4-Chlorophenyl phenylether | 16.4 | | 2.50 | ug/kg wet | 20.0 | | 81.8 | 60-140 | | |
| 4-Nitrophenol | 88.4 | | 2.50 | ug/kg wet | 100 | | 88.4 | 60-140 | | |
| Acenaphthene | 15.3 | | 2.50 | ug/kg wet | 20.0 | | 76.7 | 60-140 | | |
| Acenaphthylene | 18.3 | | 2.50 | ug/kg wet | 20.0 | | 91.3 | 60-140 | | |
| Anthracene | 17.1 | | 2.50 | ug/kg wet | 20.0 | | 85.4 | 60-140 | | |
| Benzo(a)anthracene | 16.4 | | 2.50 | ug/kg wet | 20.0 | | 82.2 | 60-140 | | |
| Benzo(a)pyrene | 17.2 | | 2.50 | ug/kg wet | 20.0 | | 85.8 | 60-140 | | |
| Benzo(b)fluoranthene | 16.2 | | 2.50 | ug/kg wet | 20.0 | | 81.0 | 60-140 | | |
| Benzo(g,h,i)perylene | 16.3 | | 2.50 | ug/kg wet | 20.0 | | 81.7 | 60-140 | | |
| Benzo(k)fluoranthene | 16.5 | | 2.50 | ug/kg wet | 20.0 | | 82.5 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 17.7 | | 2.50 | ug/kg wet | 20.0 | | 88.7 | 60-140 | | |
| bis(2-Chloroethyl) ether | 17.1 | | 2.50 | ug/kg wet | 20.0 | | 85.3 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 17.6 | | 2.50 | ug/kg wet | 20.0 | | 88.0 | 60-140 | | |
| Butyl benzyl phthalate | 17.7 | | 2.50 | ug/kg wet | 20.0 | | 88.3 | 60-140 | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0288 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BS SV (BGB0288-BS2)** | | | | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | |
| Chrysene | 16.2 | | 2.50 | ug/kg wet | 20.0 | | 81.2 | 60-140 | | |
| Dibenzo(a,h)anthracene | 16.0 | | 2.50 | ug/kg wet | 20.0 | | 79.9 | 60-140 | | |
| Diethyl phthalate | 18.2 | | 2.50 | ug/kg wet | 20.0 | | 91.1 | 60-140 | | |
| Dimethyl phthalate | 17.1 | | 2.50 | ug/kg wet | 20.0 | | 85.3 | 60-140 | | |
| Di-n-butyl phthalate | 19.3 | | 2.50 | ug/kg wet | 20.0 | | 96.6 | 60-140 | | |
| Di-n-octyl phthalate | 17.5 | | 2.50 | ug/kg wet | 20.0 | | 87.4 | 60-140 | | |
| Fluoranthene | 16.7 | | 2.50 | ug/kg wet | 20.0 | | 83.4 | 60-140 | | |
| Fluorene | 16.4 | | 2.50 | ug/kg wet | 20.0 | | 82.0 | 60-140 | | |
| Hexachlorobenzene | 16.2 | | 2.50 | ug/kg wet | 20.0 | | 81.0 | 60-140 | | |
| Hexachlorobutadiene | 9.92 | J1 | 2.50 | ug/kg wet | 20.0 | | 49.6 | 60-140 | | |
| Hexachlorocyclopentadiene | 15.3 | | 2.50 | ug/kg wet | 20.0 | | 76.3 | 60-140 | | |
| Hexachloroethane | 10.3 | J1 | 2.50 | ug/kg wet | 20.0 | | 51.3 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 16.0 | | 2.50 | ug/kg wet | 20.0 | | 80.2 | 60-140 | | |
| Isophorone | 15.0 | | 2.50 | ug/kg wet | 20.0 | | 74.9 | 60-140 | | |
| Naphthalene | 15.2 | | 2.50 | ug/kg wet | 20.0 | | 76.0 | 60-140 | | |
| Nitrobenzene | 16.8 | | 2.50 | ug/kg wet | 20.0 | | 84.0 | 60-140 | | |
| n-Nitrosodimethylamine | 42.3 | J1 | 2.50 | ug/kg wet | 100 | | 42.3 | 60-140 | | |
| n-Nitrosodi-n-propylamine | 18.3 | | 2.50 | ug/kg wet | 20.0 | | 91.3 | 60-140 | | |
| n-Nitrosodiphenylamine | 15.8 | | 2.50 | ug/kg wet | 20.0 | | 78.8 | 60-140 | | |
| Pentachlorophenol | 34.1 | | 5.00 | ug/kg wet | 40.0 | | 85.3 | 60-140 | | |
| Phenanthrene | 16.9 | | 2.50 | ug/kg wet | 20.0 | | 84.4 | 60-140 | | |
| Phenol, Total | 38.0 | | 5.00 | ug/kg wet | 40.0 | | 94.9 | 60-140 | | |
| Pyrene | 16.6 | | 2.50 | ug/kg wet | 20.0 | | 83.2 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.0* | *ug/kg wet* | *20.0* | | *60.0* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *34.7* | *ug/kg wet* | *40.0* | | *86.7* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *33.5* | *ug/kg wet* | *40.0* | | *83.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.2* | *ug/kg wet* | *20.0* | | *80.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *36.5* | *ug/kg wet* | *40.0* | | *91.2* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *16.1* | *ug/kg wet* | *20.0* | | *80.3* | *60-140* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0288 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD BENZ (BGB0288-BSD1)** | | | | | Prepared: 2/2/2023 Analyzed: 2/9/2023 | | | | | |
| 3,3'-Dichlorobenzidine | 1.84 | J1, J | 2.50 | ug/kg wet | 20.0 | | 9.19 | 60-140 | 59.2 | 40 |
| Benzidine | <2.50 | J1, U | 2.50 | ug/kg wet | 20.0 | | | 60-140 | | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.8* | *ug/kg wet* | *20.0* | | *63.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *35.2* | *ug/kg wet* | *40.0* | | *88.1* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *42.2* | *ug/kg wet* | *40.0* | | *105* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *19.4* | *ug/kg wet* | *20.0* | | *96.8* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *38.5* | *ug/kg wet* | *40.0* | | *96.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.1* | *ug/kg wet* | *20.0* | | *75.4* | *60-140* | | |
| **BSD SV (BGB0288-BSD2)** | | | | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 14.4 | | 2.50 | ug/kg wet | 20.0 | | 72.1 | 60-140 | 2.77 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 13.1 | | 2.50 | ug/kg wet | 20.0 | | 65.5 | 60-140 | 4.65 | 40 |
| 1,2-Diphenylhydrazine | 17.1 | | 2.50 | ug/kg wet | 20.0 | | 85.6 | 60-140 | 2.35 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 12.2 | | 2.50 | ug/kg wet | 20.0 | | 61.0 | 60-140 | 4.79 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 12.9 | | 2.50 | ug/kg wet | 20.0 | | 64.4 | 60-140 | 4.40 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 16.7 | | 2.50 | ug/kg wet | 20.0 | | 83.7 | 60-140 | 2.28 | 40 |
| 2,4,6-Trichlorophenol | 33.5 | | 5.00 | ug/kg wet | 40.0 | | 83.7 | 60-140 | 2.77 | 40 |
| 2,4-Dichlorophenol | 35.4 | | 5.00 | ug/kg wet | 40.0 | | 88.4 | 60-140 | 5.07 | 40 |
| 2,4-Dimethylphenol | 40.4 | | 5.00 | ug/kg wet | 40.0 | | 101 | 60-140 | 2.00 | 40 |
| 2,4-Dinitrophenol | 23.7 | | 5.00 | ug/kg wet | 100 | | 23.7 | 10-50.4 | 4.67 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 16.5 | | 2.50 | ug/kg wet | 20.0 | | 82.4 | 60-140 | 5.06 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 17.6 | | 2.50 | ug/kg wet | 20.0 | | 88.2 | 60-140 | 4.79 | 40 |
| 2-Chloronaphthalene | 15.1 | | 2.50 | ug/kg wet | 20.0 | | 75.4 | 60-140 | 2.83 | 40 |
| 2-Chlorophenol | 36.8 | | 5.00 | ug/kg wet | 40.0 | | 92.1 | 60-140 | 0.164 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 24.0 | J1 | 20.0 | ug/kg wet | 40.0 | | 59.9 | 60-140 | 0.261 | 40 |
| 2-Nitrophenol | 35.8 | | 5.00 | ug/kg wet | 40.0 | | 89.4 | 60-140 | 6.29 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 17.0 | | 2.50 | ug/kg wet | 20.0 | | 85.2 | 60-140 | 3.08 | 40 |
| 4-Chloro-3-methylphenol | 35.1 | | 5.00 | ug/kg wet | 40.0 | | 87.7 | 60-140 | 3.59 | 40 |
| 4-Chlorophenyl phenylether | 16.8 | | 2.50 | ug/kg wet | 20.0 | | 84.1 | 60-140 | 2.77 | 40 |
| 4-Nitrophenol | 96.7 | | 2.50 | ug/kg wet | 100 | | 96.7 | 60-140 | 8.95 | 40 |
| Acenaphthene | 15.7 | | 2.50 | ug/kg wet | 20.0 | | 78.6 | 60-140 | 2.48 | 40 |
| Acenaphthylene | 19.0 | | 2.50 | ug/kg wet | 20.0 | | 95.1 | 60-140 | 4.04 | 40 |
| Anthracene | 17.7 | | 2.50 | ug/kg wet | 20.0 | | 88.7 | 60-140 | 3.84 | 40 |
| Benzo(a)anthracene | 17.6 | | 2.50 | ug/kg wet | 20.0 | | 88.2 | 60-140 | 7.02 | 40 |
| Benzo(a)pyrene | 18.4 | | 2.50 | ug/kg wet | 20.0 | | 91.8 | 60-140 | 6.78 | 40 |
| Benzo(b)fluoranthene | 17.4 | | 2.50 | ug/kg wet | 20.0 | | 87.2 | 60-140 | 7.29 | 40 |
| Benzo(g,h,i)perylene | 18.0 | | 2.50 | ug/kg wet | 20.0 | | 89.8 | 60-140 | 9.35 | 40 |
| Benzo(k)fluoranthene | 17.6 | | 2.50 | ug/kg wet | 20.0 | | 88.1 | 60-140 | 6.49 | 40 |
| bis(2-Chloroethoxy)methane | 18.6 | | 2.50 | ug/kg wet | 20.0 | | 93.0 | 60-140 | 4.79 | 40 |
| bis(2-Chloroethyl) ether | 18.2 | | 2.50 | ug/kg wet | 20.0 | | 91.1 | 60-140 | 6.58 | 40 |
| Bis(2-ethylhexyl )phthalate | 18.4 | | 2.50 | ug/kg wet | 20.0 | | 92.1 | 60-140 | 4.57 | 40 |
| Butyl benzyl phthalate | 18.0 | | 2.50 | ug/kg wet | 20.0 | | 90.2 | 60-140 | 2.17 | 40 |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0288 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD SV (BGB0288-BSD2)** | | | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | | |
| Chrysene | 17.1 | | 2.50 | ug/kg wet | 20.0 | | 85.5 | 60-140 | 5.19 | 40 |
| Dibenzo(a,h)anthracene | 17.6 | | 2.50 | ug/kg wet | 20.0 | | 87.8 | 60-140 | 9.39 | 40 |
| Diethyl phthalate | 18.4 | | 2.50 | ug/kg wet | 20.0 | | 92.0 | 60-140 | 0.932 | 40 |
| Dimethyl phthalate | 17.5 | | 2.50 | ug/kg wet | 20.0 | | 87.5 | 60-140 | 2.59 | 40 |
| Di-n-butyl phthalate | 30.0 | J1 | 2.50 | ug/kg wet | 20.0 | | 150 | 60-140 | 43.5 | 40 |
| Di-n-octyl phthalate | 18.1 | | 2.50 | ug/kg wet | 20.0 | | 90.7 | 60-140 | 3.73 | 40 |
| Fluoranthene | 16.9 | | 2.50 | ug/kg wet | 20.0 | | 84.4 | 60-140 | 1.14 | 40 |
| Fluorene | 16.8 | | 2.50 | ug/kg wet | 20.0 | | 84.0 | 60-140 | 2.42 | 40 |
| Hexachlorobenzene | 16.5 | | 2.50 | ug/kg wet | 20.0 | | 82.5 | 60-140 | 1.85 | 40 |
| Hexachlorobutadiene | 10.6 | J1 | 2.50 | ug/kg wet | 20.0 | | 53.2 | 60-140 | 7.11 | 40 |
| Hexachlorocyclopentadiene | 18.0 | | 2.50 | ug/kg wet | 20.0 | | 89.9 | 60-140 | 16.3 | 40 |
| Hexachloroethane | 11.0 | J1 | 2.50 | ug/kg wet | 20.0 | | 55.2 | 60-140 | 7.27 | 40 |
| Indeno(1,2,3-cd) pyrene | 17.6 | | 2.50 | ug/kg wet | 20.0 | | 88.2 | 60-140 | 9.56 | 40 |
| Isophorone | 15.7 | | 2.50 | ug/kg wet | 20.0 | | 78.7 | 60-140 | 4.99 | 40 |
| Naphthalene | 15.9 | | 2.50 | ug/kg wet | 20.0 | | 79.4 | 60-140 | 4.44 | 40 |
| Nitrobenzene | 18.0 | | 2.50 | ug/kg wet | 20.0 | | 89.9 | 60-140 | 6.80 | 40 |
| n-Nitrosodimethylamine | 47.7 | J1 | 2.50 | ug/kg wet | 100 | | 47.7 | 60-140 | 11.8 | 40 |
| n-Nitrosodi-n-propylamine | 18.1 | | 2.50 | ug/kg wet | 20.0 | | 90.5 | 60-140 | 0.879 | 40 |
| n-Nitrosodiphenylamine | 15.3 | | 2.50 | ug/kg wet | 20.0 | | 76.7 | 60-140 | 2.65 | 40 |
| Pentachlorophenol | 35.3 | | 5.00 | ug/kg wet | 40.0 | | 88.2 | 60-140 | 3.27 | 40 |
| Phenanthrene | 17.5 | | 2.50 | ug/kg wet | 20.0 | | 87.3 | 60-140 | 3.37 | 40 |
| Phenol, Total | 38.7 | | 5.00 | ug/kg wet | 40.0 | | 96.8 | 60-140 | 1.98 | 40 |
| Pyrene | 17.0 | | 2.50 | ug/kg wet | 20.0 | | 84.8 | 60-140 | 1.92 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.4* | *ug/kg wet* | *20.0* | | *62.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *36.2* | *ug/kg wet* | *40.0* | | *90.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *33.9* | *ug/kg wet* | *40.0* | | *84.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.2* | *ug/kg wet* | *20.0* | | *85.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *38.0* | *ug/kg wet* | *40.0* | | *95.0* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *16.5* | *ug/kg wet* | *20.0* | | *82.7* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0288 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL BENZ (BGB0288-MRL1)** | | | | | Prepared: 2/2/2023 Analyzed: 2/9/2023 | | | | | |
| 3,3'-Dichlorobenzidine | <2.50 | U | 2.50 | ug/kg wet | 2.00 | | | | | |
| Benzidine | <2.50 | J1, U | 2.50 | ug/kg wet | 2.00 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.1* | *ug/kg wet* | *20.0* | | *60.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *34.3* | *ug/kg wet* | *40.0* | | *85.8* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *38.2* | *ug/kg wet* | *40.0* | | *95.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.4* | *ug/kg wet* | *20.0* | | *91.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *37.7* | *ug/kg wet* | *40.0* | | *94.2* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *14.1* | *ug/kg wet* | *20.0* | | *70.4* | *60-140* | | |
| **MDL SV (BGB0288-MRL2)** | | | | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 1.54 | J | 2.50 | ug/kg wet | 2.00 | | 77.2 | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 1.33 | J | 2.50 | ug/kg wet | 2.00 | | 66.3 | | | |
| 1,2-Diphenylhydrazine | 2.08 | J | 2.50 | ug/kg wet | 2.00 | | 104 | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <2.50 | U | 2.50 | ug/kg wet | 2.00 | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 1.27 | J | 2.50 | ug/kg wet | 2.00 | | 63.5 | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 2.09 | J | 2.50 | ug/kg wet | 2.00 | | 104 | | | |
| 2,4,6-Trichlorophenol | 4.01 | J | 5.00 | ug/kg wet | 4.00 | | 100 | | | |
| 2,4-Dichlorophenol | 3.97 | J | 5.00 | ug/kg wet | 4.00 | | 99.3 | | | |
| 2,4-Dimethylphenol | 3.91 | J | 5.00 | ug/kg wet | 4.00 | | 97.7 | | | |
| 2,4-Dinitrophenol | 6.11 | | 5.00 | ug/kg wet | 10.0 | | 61.1 | 50-150 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 1.71 | J | 2.50 | ug/kg wet | 2.00 | | 85.3 | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 1.88 | J | 2.50 | ug/kg wet | 2.00 | | 94.1 | | | |
| 2-Chloronaphthalene | 1.66 | J | 2.50 | ug/kg wet | 2.00 | | 83.2 | | | |
| 2-Chlorophenol | 3.70 | J | 5.00 | ug/kg wet | 4.00 | | 92.6 | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <20.0 | U | 20.0 | ug/kg wet | 4.00 | | | | | |
| 2-Nitrophenol | 3.82 | J | 5.00 | ug/kg wet | 4.00 | | 95.5 | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 1.80 | J | 2.50 | ug/kg wet | 2.00 | | 89.8 | | | |
| 4-Chloro-3-methylphenol | 4.02 | J | 5.00 | ug/kg wet | 4.00 | | 101 | | | |
| 4-Chlorophenyl phenylether | 1.73 | J | 2.50 | ug/kg wet | 2.00 | | 86.6 | | | |
| 4-Nitrophenol | 10.1 | | 2.50 | ug/kg wet | 10.0 | | 101 | 50-150 | | |
| Acenaphthene | 1.79 | J | 2.50 | ug/kg wet | 2.00 | | 89.6 | | | |
| Acenaphthylene | 1.98 | J | 2.50 | ug/kg wet | 2.00 | | 98.9 | | | |
| Anthracene | 1.78 | J | 2.50 | ug/kg wet | 2.00 | | 89.0 | | | |
| Benzo(a)anthracene | 1.60 | J | 2.50 | ug/kg wet | 2.00 | | 80.2 | | | |
| Benzo(a)pyrene | 1.70 | J | 2.50 | ug/kg wet | 2.00 | | 84.9 | | | |
| Benzo(b)fluoranthene | 1.69 | J | 2.50 | ug/kg wet | 2.00 | | 84.7 | | | |
| Benzo(g,h,i)perylene | 1.59 | J | 2.50 | ug/kg wet | 2.00 | | 79.3 | | | |
| Benzo(k)fluoranthene | 1.87 | J | 2.50 | ug/kg wet | 2.00 | | 93.5 | | | |
| bis(2-Chloroethoxy)methane | 1.78 | J | 2.50 | ug/kg wet | 2.00 | | 89.0 | | | |
| bis(2-Chloroethyl) ether | 1.74 | J | 2.50 | ug/kg wet | 2.00 | | 86.8 | | | |
| Bis(2-ethylhexyl )phthalate | 3.02 | | 2.50 | ug/kg wet | 2.00 | | 151 | | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0288 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MDL SV (BGB0288-MRL2)** | | | | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | |
| Butyl benzyl phthalate | 1.88 | J | 2.50 | ug/kg wet | 2.00 | | 94.1 | | | |
| Chrysene | 1.78 | J | 2.50 | ug/kg wet | 2.00 | | 89.1 | | | |
| Dibenzo(a,h)anthracene | 1.61 | J | 2.50 | ug/kg wet | 2.00 | | 80.7 | | | |
| Diethyl phthalate | 2.93 | | 2.50 | ug/kg wet | 2.00 | | 146 | | | |
| Dimethyl phthalate | 1.93 | J | 2.50 | ug/kg wet | 2.00 | | 96.3 | | | |
| Di-n-butyl phthalate | 4.57 | | 2.50 | ug/kg wet | 2.00 | | 229 | | | |
| Di-n-octyl phthalate | 1.61 | J | 2.50 | ug/kg wet | 2.00 | | 80.7 | | | |
| Fluoranthene | 1.73 | J | 2.50 | ug/kg wet | 2.00 | | 86.7 | | | |
| Fluorene | 1.88 | J | 2.50 | ug/kg wet | 2.00 | | 94.2 | | | |
| Hexachlorobenzene | 1.72 | J | 2.50 | ug/kg wet | 2.00 | | 85.8 | | | |
| Hexachlorobutadiene | <2.50 | U | 2.50 | ug/kg wet | 2.00 | | | | | |
| Hexachlorocyclopentadiene | <2.50 | J1, U | 2.50 | ug/kg wet | 2.00 | | | | | |
| Hexachloroethane | <2.50 | U | 2.50 | ug/kg wet | 2.00 | | | | | |
| Indeno(1,2,3-cd) pyrene | 1.59 | J | 2.50 | ug/kg wet | 2.00 | | 79.3 | | | |
| Isophorone | 1.79 | J | 2.50 | ug/kg wet | 2.00 | | 89.7 | | | |
| Naphthalene | 1.60 | J | 2.50 | ug/kg wet | 2.00 | | 79.8 | | | |
| Nitrobenzene | 1.66 | J | 2.50 | ug/kg wet | 2.00 | | 83.0 | | | |
| n-Nitrosodimethylamine | <2.50 | J1, U | 2.50 | ug/kg wet | 10.0 | | | 50-150 | | |
| n-Nitrosodi-n-propylamine | 2.08 | J | 2.50 | ug/kg wet | 2.00 | | 104 | | | |
| n-Nitrosodiphenylamine | 1.65 | J | 2.50 | ug/kg wet | 2.00 | | 82.4 | | | |
| Pentachlorophenol | 3.33 | J | 5.00 | ug/kg wet | 4.00 | | 83.2 | | | |
| Phenanthrene | 1.74 | J | 2.50 | ug/kg wet | 2.00 | | 86.9 | | | |
| Phenol, Total | 6.41 | | 5.00 | ug/kg wet | 4.00 | | 160 | | | |
| Pyrene | 1.69 | J | 2.50 | ug/kg wet | 2.00 | | 84.7 | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.9* | *ug/kg wet* | *20.0* | | *69.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *36.2* | *ug/kg wet* | *40.0* | | *90.6* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *35.0* | *ug/kg wet* | *40.0* | | *87.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.6* | *ug/kg wet* | *20.0* | | *83.0* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *36.7* | *ug/kg wet* | *40.0* | | *91.8* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *17.2* | *ug/kg wet* | *20.0* | | *86.2* | *60-140* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0288 - SW-3570 (Continued)*** | | | | | | | | | | |
| **23A1459-54 MS (BGB0288-MS1)** | **Source: 23A1459-54RE1** | | | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 15.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 61.2 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 13.2 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 52.9 | 60-140 | | |
| 1,2-Diphenylhydrazine | 17.7 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 71.0 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 12.6 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 50.6 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 13.1 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 52.4 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 18.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 73.5 | 60-140 | | |
| 2,4,6-Trichlorophenol | 38.6 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 77.4 | 60-140 | | |
| 2,4-Dichlorophenol | 39.9 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 80.1 | 60-140 | | |
| 2,4-Dimethylphenol | 42.9 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 86.1 | 60-140 | | |
| 2,4-Dinitrophenol | 110 | J1 | 6.23 | ug/kg dry | 125 | <6.23 | 88.2 | 10-51.3 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 18.9 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 75.9 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 20.1 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 80.7 | 60-140 | | |
| 2-Chloronaphthalene | 16.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 65.4 | 60-140 | | |
| 2-Chlorophenol | 41.8 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 83.8 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 40.9 | | 24.9 | ug/kg dry | 49.8 | <24.9 | 82.0 | 60-140 | | |
| 2-Nitrophenol | 41.0 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 82.2 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 18.2 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 72.9 | 60-140 | | |
| 4-Chloro-3-methylphenol | 38.8 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 77.8 | 60-140 | | |
| 4-Chlorophenyl phenylether | 18.0 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 72.3 | 60-140 | | |
| 4-Nitrophenol | 109 | | 3.12 | ug/kg dry | 125 | <3.12 | 87.3 | 60-140 | | |
| Acenaphthene | 17.5 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 70.0 | 60-140 | | |
| Acenaphthylene | 20.9 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 83.8 | 60-140 | | |
| Anthracene | 18.8 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 75.4 | 60-140 | | |
| Benzo(a)anthracene | 18.9 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 75.8 | 60-140 | | |
| Benzo(a)pyrene | 19.9 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 80.0 | 60-140 | | |
| Benzo(b)fluoranthene | 18.9 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 75.7 | 60-140 | | |
| Benzo(g,h,i)perylene | 18.8 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 75.6 | 60-140 | | |
| Benzo(k)fluoranthene | 19.0 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 76.2 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 21.1 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 84.6 | 60-140 | | |
| bis(2-Chloroethyl) ether | 20.6 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 82.7 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 20.7 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 83.0 | 60-140 | | |
| Butyl benzyl phthalate | 18.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 73.4 | 60-140 | | |
| Chrysene | 17.8 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 71.5 | 60-140 | | |
| Dibenzo(a,h)anthracene | 18.6 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 74.8 | 60-140 | | |
| Diethyl phthalate | 20.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 81.4 | 60-140 | | |
| Dimethyl phthalate | 19.2 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 77.0 | 60-140 | | |
| Di-n-butyl phthalate | 17.9 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 71.9 | 60-140 | | |
| Di-n-octyl phthalate | 20.5 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 82.2 | 60-140 | | |
| Fluoranthene | 18.1 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 72.6 | 60-140 | | |
| Fluorene | 17.8 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 71.6 | 60-140 | | |
| Hexachlorobenzene | 18.1 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 72.7 | 60-140 | | |
| Hexachlorobutadiene | 13.0 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 52.2 | 60-140 | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0288 - SW-3570 (Continued)*** | | | | | | | | | | |
| **23A1459-54 MS (BGB0288-MS1)** | | **Source: 23A1459-54RE1** | | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | |
| Hexachlorocyclopentadiene | 13.5 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 54.3 | 60-140 | | |
| Hexachloroethane | 12.8 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 51.5 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 18.7 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 75.2 | 60-140 | | |
| Isophorone | 17.5 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 70.2 | 60-140 | | |
| Naphthalene | 16.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 65.2 | 60-140 | | |
| Nitrobenzene | 19.4 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 77.9 | 60-140 | | |
| n-Nitrosodimethylamine | 52.5 | J1 | 3.12 | ug/kg dry | 125 | <3.12 | 42.2 | 60-140 | | |
| n-Nitrosodi-n-propylamine | 20.9 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 83.8 | 60-140 | | |
| n-Nitrosodiphenylamine | 15.4 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 61.7 | 60-140 | | |
| Pentachlorophenol | 38.0 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 76.2 | 60-140 | | |
| Phenanthrene | 18.8 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 75.5 | 60-140 | | |
| Phenol, Total | 42.6 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 85.5 | 60-140 | | |
| Pyrene | 18.1 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 72.5 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *12.7* | *ug/kg dry* | *24.9* | | *51.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *40.1* | *ug/kg dry* | *49.8* | | *80.4* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *37.4* | *ug/kg dry* | *49.8* | | *75.0* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.9* | *ug/kg dry* | *24.9* | | *71.6* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *42.0* | *ug/kg dry* | *49.8* | | *84.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *17.4* | *ug/kg dry* | *24.9* | | *69.9* | *60-140* | | |
| **23A1459-54 MSD (BGB0288-MSD1)** | | **Source: 23A1459-54RE1** | | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 16.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 65.5 | 60-140 | 6.86 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 14.1 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 56.6 | 60-140 | 6.81 | 40 |
| 1,2-Diphenylhydrazine | 19.5 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 78.3 | 60-140 | 9.83 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 13.7 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 54.9 | 60-140 | 8.13 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 13.9 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 55.7 | 60-140 | 6.16 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 18.8 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 75.3 | 60-140 | 2.37 | 40 |
| 2,4,6-Trichlorophenol | 40.2 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 80.6 | 60-140 | 4.07 | 40 |
| 2,4-Dichlorophenol | 41.5 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 83.3 | 60-140 | 3.83 | 40 |
| 2,4-Dimethylphenol | 46.7 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 93.6 | 60-140 | 8.28 | 40 |
| 2,4-Dinitrophenol | 120 | J1 | 6.23 | ug/kg dry | 125 | <6.23 | 96.2 | 10-51.3 | 8.70 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 20.2 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 81.1 | 60-140 | 6.58 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 21.0 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 84.2 | 60-140 | 4.19 | 40 |
| 2-Chloronaphthalene | 17.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 69.3 | 60-140 | 5.79 | 40 |
| 2-Chlorophenol | 44.2 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 88.6 | 60-140 | 5.59 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 43.4 | | 24.9 | ug/kg dry | 49.8 | <24.9 | 87.0 | 60-140 | 5.93 | 40 |
| 2-Nitrophenol | 43.5 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 87.2 | 60-140 | 5.83 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 19.6 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 78.7 | 60-140 | 7.70 | 40 |
| 4-Chloro-3-methylphenol | 40.8 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 81.9 | 60-140 | 5.15 | 40 |
| 4-Chlorophenyl phenylether | 19.1 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 76.6 | 60-140 | 5.80 | 40 |
| 4-Nitrophenol | 115 | | 3.12 | ug/kg dry | 125 | <3.12 | 92.3 | 60-140 | 5.57 | 40 |
| Acenaphthene | 18.4 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 73.6 | 60-140 | 5.04 | 40 |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0288 - SW-3570 (Continued)*** | | | | | | | | | | |
| **23A1459-54 MSD (BGB0288-MSD1)** | **Source: 23A1459-54RE1** | | Prepared: 2/2/2023 Analyzed: 2/27/2023 | | | | | | | |
| Acenaphthylene | 22.0 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 88.4 | 60-140 | 5.34 | 40 |
| Anthracene | 20.5 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 82.2 | 60-140 | 8.66 | 40 |
| Benzo(a)anthracene | 20.4 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 81.9 | 60-140 | 7.73 | 40 |
| Benzo(a)pyrene | 21.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 85.4 | 60-140 | 6.56 | 40 |
| Benzo(b)fluoranthene | 20.1 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 80.6 | 60-140 | 6.24 | 40 |
| Benzo(g,h,i)perylene | 20.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 81.6 | 60-140 | 7.62 | 40 |
| Benzo(k)fluoranthene | 20.4 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 81.8 | 60-140 | 7.17 | 40 |
| bis(2-Chloroethoxy)methane | 22.5 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 90.2 | 60-140 | 6.39 | 40 |
| bis(2-Chloroethyl) ether | 21.4 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 85.9 | 60-140 | 3.71 | 40 |
| Bis(2-ethylhexyl )phthalate | 22.2 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 89.2 | 60-140 | 7.19 | 40 |
| Butyl benzyl phthalate | 20.0 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 80.3 | 60-140 | 9.11 | 40 |
| Chrysene | 19.2 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 76.8 | 60-140 | 7.27 | 40 |
| Dibenzo(a,h)anthracene | 20.1 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 80.7 | 60-140 | 7.59 | 40 |
| Diethyl phthalate | 20.4 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 81.7 | 60-140 | 0.349 | 40 |
| Dimethyl phthalate | 20.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 81.5 | 60-140 | 5.57 | 40 |
| Di-n-butyl phthalate | 29.5 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 118 | 60-140 | 48.8 | 40 |
| Di-n-octyl phthalate | 21.8 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 87.6 | 60-140 | 6.33 | 40 |
| Fluoranthene | 19.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 77.3 | 60-140 | 6.20 | 40 |
| Fluorene | 19.1 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 76.7 | 60-140 | 6.81 | 40 |
| Hexachlorobenzene | 19.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 77.2 | 60-140 | 6.04 | 40 |
| Hexachlorobutadiene | 13.7 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 55.0 | 60-140 | 5.19 | 40 |
| Hexachlorocyclopentadiene | 20.6 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 82.8 | 60-140 | 41.7 | 40 |
| Hexachloroethane | 13.7 | J1 | 3.12 | ug/kg dry | 24.9 | <3.12 | 55.1 | 60-140 | 6.75 | 40 |
| Indeno(1,2,3-cd) pyrene | 20.1 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 80.8 | 60-140 | 7.20 | 40 |
| Isophorone | 18.4 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 74.0 | 60-140 | 5.29 | 40 |
| Naphthalene | 17.2 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 69.0 | 60-140 | 5.62 | 40 |
| Nitrobenzene | 20.8 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 83.3 | 60-140 | 6.71 | 40 |
| n-Nitrosodimethylamine | 63.2 | J1 | 3.12 | ug/kg dry | 125 | <3.12 | 50.7 | 60-140 | 18.4 | 40 |
| n-Nitrosodi-n-propylamine | 22.4 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 89.8 | 60-140 | 6.89 | 40 |
| n-Nitrosodiphenylamine | 15.7 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 62.9 | 60-140 | 1.98 | 40 |
| Pentachlorophenol | 40.1 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 80.4 | 60-140 | 5.41 | 40 |
| Phenanthrene | 20.1 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 80.8 | 60-140 | 6.73 | 40 |
| Phenol, Total | 46.0 | | 6.23 | ug/kg dry | 49.8 | <6.23 | 92.3 | 60-140 | 7.58 | 40 |
| Pyrene | 19.3 | | 3.12 | ug/kg dry | 24.9 | <3.12 | 77.6 | 60-140 | 6.73 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | *S* | | *13.3* | *ug/kg dry* | *24.9* | | *53.2* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *42.7* | *ug/kg dry* | *49.8* | | *85.7* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *39.3* | *ug/kg dry* | *49.8* | | *78.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.8* | *ug/kg dry* | *24.9* | | *75.6* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *45.6* | *ug/kg dry* | *49.8* | | *91.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *18.3* | *ug/kg dry* | *24.9* | | *73.4* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570*** | | | | | | | | | | |
| **Blank (BGB0424-BLK1)** | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | | |
| 3,3'-Dichlorobenzidine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzidine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *15.6* | *ug/kg wet* | *20.0* | | *77.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *37.1* | *ug/kg wet* | *40.0* | | *92.7* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *46.8* | *ug/kg wet* | *40.0* | | *117* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.7* | *ug/kg wet* | *20.0* | | *93.6* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *36.5* | *ug/kg wet* | *40.0* | | *91.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *17.2* | *ug/kg wet* | *20.0* | | *86.0* | *60-140* | | |
| **Blank (BGB0424-BLK2)** | | | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | | |
| 1,2,4-Trichlorobenzene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 1,2-Diphenylhydrazine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 2,4,6-Trichlorophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 2,4-Dichlorophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 2,4-Dimethylphenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 2,4-Dinitrophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 2-Chloronaphthalene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 2-Chlorophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <20.0 | U | 20.0 | ug/kg wet | | | | | | |
| 2-Nitrophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 4-Chloro-3-methylphenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| 4-Chlorophenyl phenylether | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| 4-Nitrophenol | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Acenaphthene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Acenaphthylene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Anthracene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(a)anthracene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(a)pyrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(b)fluoranthene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(g,h,i)perylene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Benzo(k)fluoranthene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| bis(2-Chloroethoxy)methane | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| bis(2-Chloroethyl) ether | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Bis(2-ethylhexyl )phthalate | 8.75 | | 2.50 | ug/kg wet | | | | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BGB0424-BLK2)** | | | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | | |
| Butyl benzyl phthalate | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Chrysene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Dibenzo(a,h)anthracene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Diethyl phthalate | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Dimethyl phthalate | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Di-n-butyl phthalate | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Di-n-octyl phthalate | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Fluoranthene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Fluorene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Hexachlorobenzene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Hexachlorobutadiene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Hexachloroethane | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Indeno(1,2,3-cd) pyrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Isophorone | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Naphthalene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Nitrobenzene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| n-Nitrosodimethylamine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| n-Nitrosodi-n-propylamine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| n-Nitrosodiphenylamine | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Pentachlorophenol | <5.00 | U | 5.00 | ug/kg wet | | | | | | |
| Phenanthrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| Phenol, Total | 3.93 | J | 5.00 | ug/kg wet | | | | | | |
| Pyrene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.6* | *ug/kg wet* | *20.0* | | *68.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *27.5* | *ug/kg wet* | *40.0* | | *68.8* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *24.2* | *ug/kg wet* | *40.0* | | *60.4* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *14.4* | *ug/kg wet* | *20.0* | | *72.0* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *28.2* | *ug/kg wet* | *40.0* | | *70.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *10.9* | *ug/kg wet* | *20.0* | | *54.6* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BGB0424-BLK3)** | | | | Prepared: 2/3/2023 Analyzed: 2/27/2023 | | | | | | |
| Hexachlorocyclopentadiene | <2.50 | U | 2.50 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.2* | *ug/kg wet* | *20.0* | | *61.1* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *27.1* | *ug/kg wet* | *40.0* | | *67.8* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *29.5* | *ug/kg wet* | *40.0* | | *73.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *12.5* | *ug/kg wet* | *20.0* | | *62.6* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *25.2* | *ug/kg wet* | *40.0* | | *63.1* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *10.7* | *ug/kg wet* | *20.0* | | *53.6* | *60-140* | | |
| **BS BENZ (BGB0424-BS1)** | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | | |
| 3,3'-Dichlorobenzidine | 6.26 | J1 | 2.50 | ug/kg wet | 20.0 | | 31.3 | 60-140 | | |
| Benzidine | <2.50 | J1, U | 2.50 | ug/kg wet | 20.0 | | | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.9* | *ug/kg wet* | *20.0* | | *74.5* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *34.9* | *ug/kg wet* | *40.0* | | *87.4* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *46.5* | *ug/kg wet* | *40.0* | | *116* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *19.0* | *ug/kg wet* | *20.0* | | *95.2* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *39.0* | *ug/kg wet* | *40.0* | | *97.7* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *16.7* | *ug/kg wet* | *20.0* | | *83.6* | *60-140* | | |
| **BS SV (BGB0424-BS2)** | | | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | | |
| 1,2,4-Trichlorobenzene | 14.4 | | 2.48 | ug/kg wet | 19.8 | | 72.6 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 11.8 | J1 | 2.48 | ug/kg wet | 19.8 | | 59.3 | 60-140 | | |
| 1,2-Diphenylhydrazine | 16.8 | | 2.48 | ug/kg wet | 19.8 | | 84.8 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 11.5 | J1 | 2.48 | ug/kg wet | 19.8 | | 58.0 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 11.6 | J1 | 2.48 | ug/kg wet | 19.8 | | 58.6 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 15.0 | | 2.48 | ug/kg wet | 19.8 | | 75.5 | 60-140 | | |
| 2,4,6-Trichlorophenol | 36.0 | | 4.96 | ug/kg wet | 39.7 | | 90.7 | 60-140 | | |
| 2,4-Dichlorophenol | 35.8 | | 4.96 | ug/kg wet | 39.7 | | 90.2 | 60-140 | | |
| 2,4-Dimethylphenol | 35.1 | | 4.96 | ug/kg wet | 39.7 | | 88.4 | 60-140 | | |
| 2,4-Dinitrophenol | 15.7 | | 4.96 | ug/kg wet | 99.2 | | 15.8 | 10-50.4 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 15.3 | | 2.48 | ug/kg wet | 19.8 | | 76.9 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 16.4 | | 2.48 | ug/kg wet | 19.8 | | 82.6 | 60-140 | | |
| 2-Chloronaphthalene | 17.2 | | 2.48 | ug/kg wet | 19.8 | | 86.9 | 60-140 | | |
| 2-Chlorophenol | 35.6 | | 4.96 | ug/kg wet | 39.7 | | 89.7 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 18.9 | J1, J | 19.8 | ug/kg wet | 39.7 | | 47.6 | 60-140 | | |
| 2-Nitrophenol | 38.1 | | 4.96 | ug/kg wet | 39.7 | | 95.9 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 15.5 | | 2.48 | ug/kg wet | 19.8 | | 78.2 | 60-140 | | |
| 4-Chloro-3-methylphenol | 35.4 | | 4.96 | ug/kg wet | 39.7 | | 89.2 | 60-140 | | |
| 4-Chlorophenyl phenylether | 16.3 | | 2.48 | ug/kg wet | 19.8 | | 82.0 | 60-140 | | |
| 4-Nitrophenol | 68.1 | | 2.48 | ug/kg wet | 99.2 | | 68.6 | 60-140 | | |
| Acenaphthene | 15.4 | | 2.48 | ug/kg wet | 19.8 | | 77.5 | 60-140 | | |
| Acenaphthylene | 17.8 | | 2.48 | ug/kg wet | 19.8 | | 89.6 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BS SV (BGB0424-BS2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | |
| Anthracene | 15.8 | | 2.48 | ug/kg wet | 19.8 | | 79.5 | 60-140 | | |
| Benzo(a)anthracene | 16.1 | | 2.48 | ug/kg wet | 19.8 | | 81.3 | 60-140 | | |
| Benzo(a)pyrene | 16.4 | | 2.48 | ug/kg wet | 19.8 | | 82.7 | 60-140 | | |
| Benzo(b)fluoranthene | 9.79 | J1 | 2.48 | ug/kg wet | 19.8 | | 49.4 | 60-140 | | |
| Benzo(g,h,i)perylene | 14.6 | | 2.48 | ug/kg wet | 19.8 | | 73.4 | 60-140 | | |
| Benzo(k)fluoranthene | 14.5 | | 2.48 | ug/kg wet | 19.8 | | 73.0 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 17.8 | | 2.48 | ug/kg wet | 19.8 | | 89.9 | 60-140 | | |
| bis(2-Chloroethyl) ether | 16.3 | | 2.48 | ug/kg wet | 19.8 | | 82.1 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 16.1 | | 2.48 | ug/kg wet | 19.8 | | 81.1 | 60-140 | | |
| Butyl benzyl phthalate | 13.3 | | 2.48 | ug/kg wet | 19.8 | | 67.0 | 60-140 | | |
| Chrysene | 15.6 | | 2.48 | ug/kg wet | 19.8 | | 78.8 | 60-140 | | |
| Dibenzo(a,h)anthracene | 14.5 | | 2.48 | ug/kg wet | 19.8 | | 72.8 | 60-140 | | |
| Diethyl phthalate | 16.9 | | 2.48 | ug/kg wet | 19.8 | | 84.9 | 60-140 | | |
| Dimethyl phthalate | 17.8 | | 2.48 | ug/kg wet | 19.8 | | 89.9 | 60-140 | | |
| Di-n-butyl phthalate | 15.6 | | 2.48 | ug/kg wet | 19.8 | | 78.8 | 60-140 | | |
| Di-n-octyl phthalate | 14.3 | | 2.48 | ug/kg wet | 19.8 | | 72.0 | 60-140 | | |
| Fluoranthene | 13.8 | | 2.48 | ug/kg wet | 19.8 | | 69.4 | 60-140 | | |
| Fluorene | 16.2 | | 2.48 | ug/kg wet | 19.8 | | 81.8 | 60-140 | | |
| Hexachlorobenzene | 14.7 | | 2.48 | ug/kg wet | 19.8 | | 73.9 | 60-140 | | |
| Hexachlorobutadiene | 10.2 | J1 | 2.48 | ug/kg wet | 19.8 | | 51.6 | 60-140 | | |
| Hexachloroethane | 10.5 | J1 | 2.48 | ug/kg wet | 19.8 | | 52.8 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 14.5 | | 2.48 | ug/kg wet | 19.8 | | 72.8 | 60-140 | | |
| Isophorone | 14.4 | | 2.48 | ug/kg wet | 19.8 | | 72.5 | 60-140 | | |
| Naphthalene | 14.4 | | 2.48 | ug/kg wet | 19.8 | | 72.4 | 60-140 | | |
| Nitrobenzene | 18.1 | | 2.48 | ug/kg wet | 19.8 | | 91.4 | 60-140 | | |
| n-Nitrosodimethylamine | 75.9 | | 2.48 | ug/kg wet | 99.2 | | 76.5 | 60-140 | | |
| n-Nitrosodi-n-propylamine | 16.4 | | 2.48 | ug/kg wet | 19.8 | | 82.5 | 60-140 | | |
| n-Nitrosodiphenylamine | 9.19 | J1 | 2.48 | ug/kg wet | 19.8 | | 46.3 | 60-140 | | |
| Pentachlorophenol | 27.7 | | 4.96 | ug/kg wet | 39.7 | | 69.9 | 60-140 | | |
| Phenanthrene | 15.5 | | 2.48 | ug/kg wet | 19.8 | | 77.9 | 60-140 | | |
| Phenol, Total | 38.6 | | 4.96 | ug/kg wet | 39.7 | | 97.2 | 60-140 | | |
| Pyrene | 13.0 | | 2.48 | ug/kg wet | 19.8 | | 65.3 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.0* | *ug/kg wet* | *19.8* | | *70.6* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *32.4* | *ug/kg wet* | *39.7* | | *81.6* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *30.3* | *ug/kg wet* | *39.7* | | *76.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.0* | *ug/kg wet* | *19.8* | | *90.6* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *34.0* | *ug/kg wet* | *39.7* | | *85.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *12.9* | *ug/kg wet* | *19.8* | | *64.9* | *60-140* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BGB0424-BS3)** | | | | | Prepared: 2/3/2023 Analyzed: 2/27/2023 | | | | | |
| Hexachlorocyclopentadiene | 10.1 | J1 | 2.48 | ug/kg wet | 19.8 | | 50.7 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.7* | *ug/kg wet* | *19.8* | | *69.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *33.4* | *ug/kg wet* | *39.7* | | *84.2* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *33.7* | *ug/kg wet* | *39.7* | | *84.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.6* | *ug/kg wet* | *19.8* | | *83.7* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *36.9* | *ug/kg wet* | *39.7* | | *93.1* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.7* | *ug/kg wet* | *19.8* | | *79.2* | *60-140* | | |
| **BSD BENZ (BGB0424-BSD1)** | | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| 3,3'-Dichlorobenzidine | 5.92 | J1 | 2.47 | ug/kg wet | 19.8 | | 29.9 | 60-140 | 5.52 | 40 |
| Benzidine | 2.48 | J1 | 2.47 | ug/kg wet | 19.8 | | 12.5 | 60-140 | 82.5 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.2* | *ug/kg wet* | *19.8* | | *66.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *35.1* | *ug/kg wet* | *39.6* | | *88.6* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *42.3* | *ug/kg wet* | *39.6* | | *107* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.1* | *ug/kg wet* | *19.8* | | *91.3* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *36.0* | *ug/kg wet* | *39.6* | | *90.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *16.9* | *ug/kg wet* | *19.8* | | *85.2* | *60-140* | | |
| **BSD SV (BGB0424-BSD2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 15.3 | | 2.46 | ug/kg wet | 19.7 | | 77.5 | 60-140 | 5.81 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 12.2 | | 2.46 | ug/kg wet | 19.7 | | 62.2 | 60-140 | 4.04 | 40 |
| 1,2-Diphenylhydrazine | 17.7 | | 2.46 | ug/kg wet | 19.7 | | 90.0 | 60-140 | 5.23 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 11.8 | J1 | 2.46 | ug/kg wet | 19.7 | | 59.9 | 60-140 | 2.53 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 11.9 | | 2.46 | ug/kg wet | 19.7 | | 60.6 | 60-140 | 2.62 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 15.7 | | 2.46 | ug/kg wet | 19.7 | | 79.4 | 60-140 | 4.40 | 40 |
| 2,4,6-Trichlorophenol | 38.0 | | 4.93 | ug/kg wet | 39.4 | | 96.4 | 60-140 | 5.31 | 40 |
| 2,4-Dichlorophenol | 38.1 | | 4.93 | ug/kg wet | 39.4 | | 96.8 | 60-140 | 6.34 | 40 |
| 2,4-Dimethylphenol | 37.9 | | 4.93 | ug/kg wet | 39.4 | | 96.1 | 60-140 | 7.75 | 40 |
| 2,4-Dinitrophenol | 27.8 | J1 | 4.93 | ug/kg wet | 98.5 | | 28.2 | 10-50.4 | 55.8 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 16.3 | | 2.46 | ug/kg wet | 19.7 | | 82.9 | 60-140 | 6.88 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 17.2 | | 2.46 | ug/kg wet | 19.7 | | 87.2 | 60-140 | 4.75 | 40 |
| 2-Chloronaphthalene | 18.6 | | 2.46 | ug/kg wet | 19.7 | | 94.1 | 60-140 | 7.36 | 40 |
| 2-Chlorophenol | 37.8 | | 4.93 | ug/kg wet | 39.4 | | 95.9 | 60-140 | 5.96 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 24.3 | | 19.7 | ug/kg wet | 39.4 | | 61.7 | 60-140 | 25.2 | 40 |
| 2-Nitrophenol | 40.3 | | 4.93 | ug/kg wet | 39.4 | | 102 | 60-140 | 5.68 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 16.7 | | 2.46 | ug/kg wet | 19.7 | | 84.7 | 60-140 | 7.31 | 40 |
| 4-Chloro-3-methylphenol | 37.7 | | 4.93 | ug/kg wet | 39.4 | | 95.6 | 60-140 | 6.26 | 40 |
| 4-Chlorophenyl phenylether | 15.8 | | 2.46 | ug/kg wet | 19.7 | | 80.2 | 60-140 | 2.90 | 40 |
| 4-Nitrophenol | 71.6 | | 2.46 | ug/kg wet | 98.5 | | 72.6 | 60-140 | 4.97 | 40 |
| Acenaphthene | 16.4 | | 2.46 | ug/kg wet | 19.7 | | 83.1 | 60-140 | 6.30 | 40 |
| Acenaphthylene | 18.9 | | 2.46 | ug/kg wet | 19.7 | | 95.9 | 60-140 | 6.03 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD SV (BGB0424-BSD2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | |
| Anthracene | 16.6 | | 2.46 | ug/kg wet | 19.7 | | 84.4 | 60-140 | 5.31 | 40 |
| Benzo(a)anthracene | 16.9 | | 2.46 | ug/kg wet | 19.7 | | 85.9 | 60-140 | 4.88 | 40 |
| Benzo(a)pyrene | 17.7 | | 2.46 | ug/kg wet | 19.7 | | 90.1 | 60-140 | 7.82 | 40 |
| Benzo(b)fluoranthene | 9.80 | J1 | 2.46 | ug/kg wet | 19.7 | | 49.8 | 60-140 | 0.100 | 40 |
| Benzo(g,h,i)perylene | 16.1 | | 2.46 | ug/kg wet | 19.7 | | 81.8 | 60-140 | 10.1 | 40 |
| Benzo(k)fluoranthene | 14.6 | | 2.46 | ug/kg wet | 19.7 | | 74.3 | 60-140 | 1.14 | 40 |
| bis(2-Chloroethoxy)methane | 19.7 | | 2.46 | ug/kg wet | 19.7 | | 100 | 60-140 | 9.90 | 40 |
| bis(2-Chloroethyl) ether | 17.3 | | 2.46 | ug/kg wet | 19.7 | | 87.6 | 60-140 | 5.79 | 40 |
| Bis(2-ethylhexyl )phthalate | 17.2 | | 2.46 | ug/kg wet | 19.7 | | 87.4 | 60-140 | 6.77 | 40 |
| Butyl benzyl phthalate | 14.0 | | 2.46 | ug/kg wet | 19.7 | | 70.9 | 60-140 | 4.95 | 40 |
| Chrysene | 16.5 | | 2.46 | ug/kg wet | 19.7 | | 83.7 | 60-140 | 5.34 | 40 |
| Dibenzo(a,h)anthracene | 15.6 | | 2.46 | ug/kg wet | 19.7 | | 79.4 | 60-140 | 7.93 | 40 |
| Diethyl phthalate | 18.3 | | 2.46 | ug/kg wet | 19.7 | | 93.0 | 60-140 | 8.37 | 40 |
| Dimethyl phthalate | 17.5 | | 2.46 | ug/kg wet | 19.7 | | 88.7 | 60-140 | 1.99 | 40 |
| Di-n-butyl phthalate | 16.3 | | 2.46 | ug/kg wet | 19.7 | | 82.9 | 60-140 | 4.45 | 40 |
| Di-n-octyl phthalate | 14.9 | | 2.46 | ug/kg wet | 19.7 | | 75.8 | 60-140 | 4.51 | 40 |
| Fluoranthene | 14.2 | | 2.46 | ug/kg wet | 19.7 | | 72.2 | 60-140 | 3.22 | 40 |
| Fluorene | 15.8 | | 2.46 | ug/kg wet | 19.7 | | 80.0 | 60-140 | 2.94 | 40 |
| Hexachlorobenzene | 15.9 | | 2.46 | ug/kg wet | 19.7 | | 80.6 | 60-140 | 7.89 | 40 |
| Hexachlorobutadiene | 10.7 | J1 | 2.46 | ug/kg wet | 19.7 | | 54.1 | 60-140 | 4.00 | 40 |
| Hexachloroethane | 10.8 | J1 | 2.46 | ug/kg wet | 19.7 | | 54.9 | 60-140 | 3.21 | 40 |
| Indeno(1,2,3-cd) pyrene | 15.7 | | 2.46 | ug/kg wet | 19.7 | | 79.5 | 60-140 | 8.11 | 40 |
| Isophorone | 15.4 | | 2.46 | ug/kg wet | 19.7 | | 78.1 | 60-140 | 6.78 | 40 |
| Naphthalene | 14.9 | | 2.46 | ug/kg wet | 19.7 | | 75.8 | 60-140 | 3.86 | 40 |
| Nitrobenzene | 19.4 | | 2.46 | ug/kg wet | 19.7 | | 98.3 | 60-140 | 6.56 | 40 |
| n-Nitrosodimethylamine | 77.5 | | 2.46 | ug/kg wet | 98.5 | | 78.6 | 60-140 | 2.06 | 40 |
| n-Nitrosodi-n-propylamine | 17.1 | | 2.46 | ug/kg wet | 19.7 | | 87.0 | 60-140 | 4.52 | 40 |
| n-Nitrosodiphenylamine | 8.58 | J1 | 2.46 | ug/kg wet | 19.7 | | 43.6 | 60-140 | 6.87 | 40 |
| Pentachlorophenol | 28.9 | | 4.93 | ug/kg wet | 39.4 | | 73.3 | 60-140 | 4.08 | 40 |
| Phenanthrene | 16.3 | | 2.46 | ug/kg wet | 19.7 | | 82.8 | 60-140 | 5.35 | 40 |
| Phenol, Total | 41.5 | | 4.93 | ug/kg wet | 39.4 | | 105 | 60-140 | 7.26 | 40 |
| Pyrene | 12.5 | | 2.46 | ug/kg wet | 19.7 | | 63.6 | 60-140 | 3.35 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *15.3* | *ug/kg wet* | *19.7* | | *77.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *34.1* | *ug/kg wet* | *39.4* | | *86.6* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *32.1* | *ug/kg wet* | *39.4* | | *81.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *19.3* | *ug/kg wet* | *19.7* | | *98.1* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *36.6* | *ug/kg wet* | *39.4* | | *92.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *13.3* | *ug/kg wet* | *19.7* | | *67.6* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BGB0424-BSD3)** | | | | | Prepared: 2/3/2023 Analyzed: 2/27/2023 | | | | | |
| Hexachlorocyclopentadiene | 12.5 | | 2.46 | ug/kg wet | 19.7 | | 63.6 | 60-140 | 21.9 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.6* | *ug/kg wet* | *19.7* | | *73.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *36.2* | *ug/kg wet* | *39.4* | | *92.0* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *38.7* | *ug/kg wet* | *39.4* | | *98.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *18.2* | *ug/kg wet* | *19.7* | | *92.6* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *35.3* | *ug/kg wet* | *39.4* | | *89.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *13.6* | *ug/kg wet* | *19.7* | | *69.1* | *60-140* | | |
| **BENZ MDL (BGB0424-MRL1)** | | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| 3,3'-Dichlorobenzidine | <2.33 | U | 2.33 | ug/kg wet | 1.86 | | | | | |
| Benzidine | <2.33 | J1, U | 2.33 | ug/kg wet | 1.86 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.7* | *ug/kg wet* | *18.6* | | *73.7* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *36.1* | *ug/kg wet* | *37.2* | | *96.9* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *42.0* | *ug/kg wet* | *37.2* | | *113* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *17.8* | *ug/kg wet* | *18.6* | | *95.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *37.0* | *ug/kg wet* | *37.2* | | *99.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *15.6* | *ug/kg wet* | *18.6* | | *84.0* | *60-140* | | |
| **SV MDL (BGB0424-MRL2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 1.42 | J | 2.37 | ug/kg wet | 1.90 | | 74.7 | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <2.37 | U | 2.37 | ug/kg wet | 1.90 | | | | | |
| 1,2-Diphenylhydrazine | 1.46 | J | 2.37 | ug/kg wet | 1.90 | | 77.1 | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <2.37 | U | 2.37 | ug/kg wet | 1.90 | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <2.37 | U | 2.37 | ug/kg wet | 1.90 | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 1.64 | J | 2.37 | ug/kg wet | 1.90 | | 86.1 | | | |
| 2,4,6-Trichlorophenol | 3.79 | J | 4.75 | ug/kg wet | 3.80 | | 99.9 | | | |
| 2,4-Dichlorophenol | 3.66 | J | 4.75 | ug/kg wet | 3.80 | | 96.4 | | | |
| 2,4-Dimethylphenol | 3.54 | J | 4.75 | ug/kg wet | 3.80 | | 93.2 | | | |
| 2,4-Dinitrophenol | 5.77 | | 4.75 | ug/kg wet | 9.50 | | 60.7 | 50-150 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 1.45 | J | 2.37 | ug/kg wet | 1.90 | | 76.2 | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 1.64 | J | 2.37 | ug/kg wet | 1.90 | | 86.5 | | | |
| 2-Chloronaphthalene | 1.61 | J | 2.37 | ug/kg wet | 1.90 | | 84.8 | | | |
| 2-Chlorophenol | 3.08 | J | 4.75 | ug/kg wet | 3.80 | | 81.1 | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <19.0 | U | 19.0 | ug/kg wet | 3.80 | | | | | |
| 2-Nitrophenol | 4.15 | J | 4.75 | ug/kg wet | 3.80 | | 109 | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 1.47 | J | 2.37 | ug/kg wet | 1.90 | | 77.7 | | | |
| 4-Chloro-3-methylphenol | 3.59 | J | 4.75 | ug/kg wet | 3.80 | | 94.5 | | | |
| 4-Chlorophenyl phenylether | 1.64 | J | 2.37 | ug/kg wet | 1.90 | | 86.3 | | | |
| 4-Nitrophenol | 8.08 | | 2.37 | ug/kg wet | 9.50 | | 85.1 | 50-150 | | |
| Acenaphthene | 1.48 | J | 2.37 | ug/kg wet | 1.90 | | 77.7 | | | |
| Acenaphthylene | 1.83 | J | 2.37 | ug/kg wet | 1.90 | | 96.2 | | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **SV MDL (BGB0424-MRL2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | |
| Anthracene | 1.48 | J | 2.37 | ug/kg wet | 1.90 | | 77.7 | | | |
| Benzo(a)anthracene | 1.46 | J | 2.37 | ug/kg wet | 1.90 | | 77.0 | | | |
| Benzo(a)pyrene | 1.53 | J | 2.37 | ug/kg wet | 1.90 | | 80.4 | | | |
| Benzo(b)fluoranthene | 1.60 | J | 2.37 | ug/kg wet | 1.90 | | 84.4 | | | |
| Benzo(g,h,i)perylene | 1.62 | J | 2.37 | ug/kg wet | 1.90 | | 85.4 | | | |
| Benzo(k)fluoranthene | 1.53 | J | 2.37 | ug/kg wet | 1.90 | | 80.8 | | | |
| bis(2-Chloroethoxy)methane | 1.79 | J | 2.37 | ug/kg wet | 1.90 | | 94.3 | | | |
| bis(2-Chloroethyl) ether | 1.51 | J | 2.37 | ug/kg wet | 1.90 | | 79.8 | | | |
| Bis(2-ethylhexyl )phthalate | 1.85 | J | 2.37 | ug/kg wet | 1.90 | | 97.2 | | | |
| Butyl benzyl phthalate | 1.31 | J | 2.37 | ug/kg wet | 1.90 | | 69.2 | | | |
| Chrysene | 1.53 | J | 2.37 | ug/kg wet | 1.90 | | 80.6 | | | |
| Dibenzo(a,h)anthracene | 1.41 | J | 2.37 | ug/kg wet | 1.90 | | 74.5 | | | |
| Diethyl phthalate | 2.23 | J | 2.37 | ug/kg wet | 1.90 | | 117 | | | |
| Dimethyl phthalate | 1.67 | J | 2.37 | ug/kg wet | 1.90 | | 87.8 | | | |
| Di-n-butyl phthalate | 2.21 | J | 2.37 | ug/kg wet | 1.90 | | 116 | | | |
| Di-n-octyl phthalate | 1.32 | J | 2.37 | ug/kg wet | 1.90 | | 69.6 | | | |
| Fluoranthene | 1.32 | J | 2.37 | ug/kg wet | 1.90 | | 69.4 | | | |
| Fluorene | 1.76 | J | 2.37 | ug/kg wet | 1.90 | | 92.8 | | | |
| Hexachlorobenzene | 1.40 | J | 2.37 | ug/kg wet | 1.90 | | 73.8 | | | |
| Hexachlorobutadiene | <2.37 | U | 2.37 | ug/kg wet | 1.90 | | | | | |
| Hexachloroethane | <2.37 | U | 2.37 | ug/kg wet | 1.90 | | | | | |
| Indeno(1,2,3-cd) pyrene | 1.45 | J | 2.37 | ug/kg wet | 1.90 | | 76.1 | | | |
| Isophorone | 1.51 | J | 2.37 | ug/kg wet | 1.90 | | 79.4 | | | |
| Naphthalene | 1.43 | J | 2.37 | ug/kg wet | 1.90 | | 75.5 | | | |
| Nitrobenzene | 1.68 | J | 2.37 | ug/kg wet | 1.90 | | 88.4 | | | |
| n-Nitrosodimethylamine | 14.7 | J1 | 2.37 | ug/kg wet | 9.50 | | 155 | 50-150 | | |
| n-Nitrosodi-n-propylamine | 1.68 | J | 2.37 | ug/kg wet | 1.90 | | 88.5 | | | |
| n-Nitrosodiphenylamine | <2.37 | U | 2.37 | ug/kg wet | 1.90 | | | | | |
| Pentachlorophenol | 2.43 | J | 4.75 | ug/kg wet | 3.80 | | 64.1 | | | |
| Phenanthrene | 1.45 | J | 2.37 | ug/kg wet | 1.90 | | 76.2 | | | |
| Phenol, Total | 5.03 | | 4.75 | ug/kg wet | 3.80 | | 132 | | | |
| Pyrene | 1.32 | J | 2.37 | ug/kg wet | 1.90 | | 69.7 | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.7* | *ug/kg wet* | *19.0* | | *66.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *29.4* | *ug/kg wet* | *38.0* | | *77.3* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *27.8* | *ug/kg wet* | *38.0* | | *73.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *16.4* | *ug/kg wet* | *19.0* | | *86.2* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *30.6* | *ug/kg wet* | *38.0* | | *80.7* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *12.9* | *ug/kg wet* | *19.0* | | *67.7* | *60-140* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MRL Check (BGB0424-MRL3)** | | | | | Prepared: 2/3/2023 Analyzed: 2/27/2023 | | | | | |
| Hexachlorocyclopentadiene | <2.37 | J1, U | 2.37 | ug/kg wet | 1.90 | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *12.6* | *ug/kg wet* | *19.0* | | *66.3* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *29.5* | *ug/kg wet* | *38.0* | | *77.8* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *31.0* | *ug/kg wet* | *38.0* | | *81.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *13.6* | *ug/kg wet* | *19.0* | | *71.4* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *31.3* | *ug/kg wet* | *38.0* | | *82.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *16.1* | *ug/kg wet* | *19.0* | | *84.8* | *60-140* | | |
| **23A1459-66 MS (BGB0424-MS1)** | | | **Source: 23A1459-66RE1** | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 20.4 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 80.2 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 15.2 | J1 | 3.18 | ug/kg dry | 25.4 | <3.18 | 59.9 | 60-140 | | |
| 1,2-Diphenylhydrazine | 23.4 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 92.0 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 15.0 | J1 | 3.18 | ug/kg dry | 25.4 | <3.18 | 59.2 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 15.2 | J1 | 3.18 | ug/kg dry | 25.4 | <3.18 | 59.8 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 20.8 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 82.0 | 60-140 | | |
| 2,4,6-Trichlorophenol | 49.6 | | 6.35 | ug/kg dry | 50.8 | <6.35 | 97.6 | 60-140 | | |
| 2,4-Dichlorophenol | 50.0 | | 6.35 | ug/kg dry | 50.8 | <6.35 | 98.3 | 60-140 | | |
| 2,4-Dimethylphenol | 49.5 | | 6.35 | ug/kg dry | 50.8 | <6.35 | 97.4 | 60-140 | | |
| 2,4-Dinitrophenol | 18.2 | | 6.35 | ug/kg dry | 127 | <6.35 | 14.3 | 10-51.3 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 21.4 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 84.3 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 22.9 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 90.3 | 60-140 | | |
| 2-Chloronaphthalene | 24.1 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 94.9 | 60-140 | | |
| 2-Chlorophenol | 51.1 | | 6.35 | ug/kg dry | 50.8 | <6.35 | 101 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 24.9 | J1, J | 25.4 | ug/kg dry | 50.8 | <25.4 | 49.1 | 60-140 | | |
| 2-Nitrophenol | 53.8 | | 6.35 | ug/kg dry | 50.8 | <6.35 | 106 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 21.6 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 85.0 | 60-140 | | |
| 4-Chloro-3-methylphenol | 50.6 | | 6.35 | ug/kg dry | 50.8 | <6.35 | 99.7 | 60-140 | | |
| 4-Chlorophenyl phenylether | 22.1 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 86.9 | 60-140 | | |
| 4-Nitrophenol | 96.3 | | 3.18 | ug/kg dry | 127 | <3.18 | 75.8 | 60-140 | | |
| Acenaphthene | 21.3 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 84.0 | 60-140 | | |
| Acenaphthylene | 24.5 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 96.3 | 60-140 | | |
| Anthracene | 21.7 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 85.4 | 60-140 | | |
| Benzo(a)anthracene | 21.8 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 85.9 | 60-140 | | |
| Benzo(a)pyrene | 21.9 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 86.2 | 60-140 | | |
| Benzo(b)fluoranthene | 14.9 | J1 | 3.18 | ug/kg dry | 25.4 | <3.18 | 58.7 | 60-140 | | |
| Benzo(g,h,i)perylene | 19.1 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 75.2 | 60-140 | | |
| Benzo(k)fluoranthene | 20.1 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 79.3 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 26.3 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 104 | 60-140 | | |
| bis(2-Chloroethyl) ether | 22.6 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 88.8 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 19.9 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 78.3 | 60-140 | | |
| Butyl benzyl phthalate | 18.2 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 71.8 | 60-140 | | |
| Chrysene | 21.1 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 82.9 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **23A1459-66 MS (BGB0424-MS1)** | | | **Source: 23A1459-66RE1** | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | |
| Dibenzo(a,h)anthracene | 19.3 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 75.8 | 60-140 | | |
| Diethyl phthalate | 23.3 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 91.7 | 60-140 | | |
| Dimethyl phthalate | 24.4 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 95.9 | 60-140 | | |
| Di-n-butyl phthalate | 19.5 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 76.8 | 60-140 | | |
| Di-n-octyl phthalate | 18.4 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 72.5 | 60-140 | | |
| Fluoranthene | 17.6 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 69.3 | 60-140 | | |
| Fluorene | 22.0 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 86.7 | 60-140 | | |
| Hexachlorobenzene | 19.9 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 78.3 | 60-140 | | |
| Hexachlorobutadiene | 16.0 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 63.1 | 60-140 | | |
| Hexachloroethane | 15.1 | J1 | 3.18 | ug/kg dry | 25.4 | <3.18 | 59.5 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 18.8 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 74.0 | 60-140 | | |
| Isophorone | 20.4 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 80.3 | 60-140 | | |
| Naphthalene | 18.8 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 73.9 | 60-140 | | |
| Nitrobenzene | 25.7 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 101 | 60-140 | | |
| n-Nitrosodimethylamine | 71.9 | J1 | 3.18 | ug/kg dry | 127 | <3.18 | 56.6 | 60-140 | | |
| n-Nitrosodi-n-propylamine | 22.8 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 89.7 | 60-140 | | |
| n-Nitrosodiphenylamine | 8.65 | J1 | 3.18 | ug/kg dry | 25.4 | <3.18 | 34.0 | 60-140 | | |
| Pentachlorophenol | 38.0 | | 6.35 | ug/kg dry | 50.8 | <6.35 | 74.8 | 60-140 | | |
| Phenanthrene | 21.2 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 83.3 | 60-140 | | |
| Phenol, Total | 52.2 | | 6.35 | ug/kg dry | 50.8 | 11.3 | 80.7 | 60-140 | | |
| Pyrene | 16.8 | | 3.18 | ug/kg dry | 25.4 | <3.18 | 66.1 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *20.3* | *ug/kg dry* | *25.4* | | *79.9* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *44.2* | *ug/kg dry* | *50.8* | | *86.9* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *40.9* | *ug/kg dry* | *50.8* | | *80.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *25.1* | *ug/kg dry* | *25.4* | | *98.7* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *46.5* | *ug/kg dry* | *50.8* | | *91.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *16.6* | *ug/kg dry* | *25.4* | | *65.2* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB0424-MS2)** | | | **Source: 23A1459-66RE2** | | Prepared: 2/3/2023 Analyzed: 2/27/2023 | | | | | |
| Hexachlorocyclopentadiene | 13.4 | J1 | 3.18 | ug/kg dry | 25.4 | <3.18 | 52.6 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *19.5* | *ug/kg dry* | *25.4* | | *76.8* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *44.5* | *ug/kg dry* | *50.8* | | *87.5* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *49.5* | *ug/kg dry* | *50.8* | | *97.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *24.3* | *ug/kg dry* | *25.4* | | *95.7* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *50.8* | *ug/kg dry* | *50.8* | | *100* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *22.3* | *ug/kg dry* | *25.4* | | *87.7* | *60-140* | | |
| **23A1459-66 MSD (BGB0424-MSD1)** | | | **Source: 23A1459-66RE1** | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 19.8 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 78.6 | 60-140 | 2.72 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 15.4 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 61.1 | 60-140 | 1.35 | 40 |
| 1,2-Diphenylhydrazine | 23.2 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 91.8 | 60-140 | 0.939 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 15.3 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 60.8 | 60-140 | 2.01 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 15.4 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 61.2 | 60-140 | 1.60 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 20.6 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 81.7 | 60-140 | 1.12 | 40 |
| 2,4,6-Trichlorophenol | 49.1 | | 6.31 | ug/kg dry | 50.5 | <6.31 | 97.2 | 60-140 | 1.10 | 40 |
| 2,4-Dichlorophenol | 48.9 | | 6.31 | ug/kg dry | 50.5 | <6.31 | 96.9 | 60-140 | 2.14 | 40 |
| 2,4-Dimethylphenol | 48.4 | | 6.31 | ug/kg dry | 50.5 | <6.31 | 96.0 | 60-140 | 2.09 | 40 |
| 2,4-Dinitrophenol | 19.3 | | 6.31 | ug/kg dry | 126 | <6.31 | 15.3 | 10-51.3 | 6.07 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 21.2 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 84.2 | 60-140 | 0.748 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 22.9 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 90.8 | 60-140 | 0.0949 | 40 |
| 2-Chloronaphthalene | 23.0 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 91.0 | 60-140 | 4.95 | 40 |
| 2-Chlorophenol | 49.9 | | 6.31 | ug/kg dry | 50.5 | <6.31 | 98.9 | 60-140 | 2.44 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 26.4 | J1 | 25.2 | ug/kg dry | 50.5 | <25.2 | 52.4 | 60-140 | 5.83 | 40 |
| 2-Nitrophenol | 54.2 | | 6.31 | ug/kg dry | 50.5 | <6.31 | 107 | 60-140 | 0.645 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 21.0 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 83.3 | 60-140 | 2.71 | 40 |
| 4-Chloro-3-methylphenol | 49.8 | | 6.31 | ug/kg dry | 50.5 | <6.31 | 98.6 | 60-140 | 1.76 | 40 |
| 4-Chlorophenyl phenylether | 22.0 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 87.2 | 60-140 | 0.310 | 40 |
| 4-Nitrophenol | 95.2 | | 3.15 | ug/kg dry | 126 | <3.15 | 75.5 | 60-140 | 1.08 | 40 |
| Acenaphthene | 20.6 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 81.8 | 60-140 | 3.25 | 40 |
| Acenaphthylene | 23.9 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 94.6 | 60-140 | 2.52 | 40 |
| Anthracene | 21.4 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 85.0 | 60-140 | 1.11 | 40 |
| Benzo(a)anthracene | 22.1 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 87.6 | 60-140 | 1.27 | 40 |
| Benzo(a)pyrene | 21.9 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 87.0 | 60-140 | 0.271 | 40 |
| Benzo(b)fluoranthene | 16.8 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 66.7 | 60-140 | 12.0 | 40 |
| Benzo(g,h,i)perylene | 18.7 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 74.2 | 60-140 | 2.07 | 40 |
| Benzo(k)fluoranthene | 20.9 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 82.7 | 60-140 | 3.51 | 40 |
| bis(2-Chloroethoxy)methane | 25.6 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 102 | 60-140 | 2.66 | 40 |
| bis(2-Chloroethyl) ether | 22.2 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 87.8 | 60-140 | 1.76 | 40 |
| Bis(2-ethylhexyl )phthalate | 21.5 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 85.4 | 60-140 | 7.96 | 40 |
| Butyl benzyl phthalate | 18.4 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 73.1 | 60-140 | 1.07 | 40 |
| Chrysene | 21.2 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 84.1 | 60-140 | 0.705 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **23A1459-66 MSD (BGB0424-MSD1)** | | **Source: 23A1459-66RE1** | | Prepared: 2/3/2023 Analyzed: 2/17/2023 | | | | | | |
| Dibenzo(a,h)anthracene | 19.1 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 75.5 | 60-140 | 1.06 | 40 |
| Diethyl phthalate | 22.8 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 90.3 | 60-140 | 2.19 | 40 |
| Dimethyl phthalate | 24.0 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 94.9 | 60-140 | 1.69 | 40 |
| Di-n-butyl phthalate | 19.1 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 75.7 | 60-140 | 2.11 | 40 |
| Di-n-octyl phthalate | 19.2 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 76.0 | 60-140 | 4.03 | 40 |
| Fluoranthene | 17.6 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 69.9 | 60-140 | 0.165 | 40 |
| Fluorene | 22.2 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 88.0 | 60-140 | 0.756 | 40 |
| Hexachlorobenzene | 19.5 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 77.3 | 60-140 | 1.87 | 40 |
| Hexachlorobutadiene | 16.3 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 64.8 | 60-140 | 1.90 | 40 |
| Hexachloroethane | 15.6 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 61.9 | 60-140 | 3.24 | 40 |
| Indeno(1,2,3-cd) pyrene | 18.6 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 73.8 | 60-140 | 1.03 | 40 |
| Isophorone | 20.6 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 81.7 | 60-140 | 1.07 | 40 |
| Naphthalene | 18.3 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 72.4 | 60-140 | 2.72 | 40 |
| Nitrobenzene | 25.6 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 101 | 60-140 | 0.543 | 40 |
| n-Nitrosodimethylamine | 63.8 | J1 | 3.15 | ug/kg dry | 126 | <3.15 | 50.6 | 60-140 | 11.9 | 40 |
| n-Nitrosodi-n-propylamine | 22.3 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 88.2 | 60-140 | 2.32 | 40 |
| n-Nitrosodiphenylamine | 8.57 | J1 | 3.15 | ug/kg dry | 25.2 | <3.15 | 34.0 | 60-140 | 0.879 | 40 |
| Pentachlorophenol | 37.6 | | 6.31 | ug/kg dry | 50.5 | <6.31 | 74.5 | 60-140 | 1.20 | 40 |
| Phenanthrene | 20.7 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 82.2 | 60-140 | 2.03 | 40 |
| Phenol, Total | 50.2 | | 6.31 | ug/kg dry | 50.5 | 11.3 | 77.1 | 60-140 | 4.00 | 40 |
| Pyrene | 17.7 | | 3.15 | ug/kg dry | 25.2 | <3.15 | 70.2 | 60-140 | 5.36 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *19.2* | *ug/kg dry* | *25.2* | | *76.2* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *44.7* | *ug/kg dry* | *50.5* | | *88.6* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *41.0* | *ug/kg dry* | *50.5* | | *81.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *25.0* | *ug/kg dry* | *25.2* | | *98.9* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *46.2* | *ug/kg dry* | *50.5* | | *91.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *16.8* | *ug/kg dry* | *25.2* | | *66.7* | *60-140* | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
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## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0424 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BGB0424-MSD2)** | | | **Source: 23A1459-66RE2** | | Prepared: 2/3/2023 Analyzed: 2/27/2023 | | | | | |
| Hexachlorocyclopentadiene | 14.6 | J1 | 3.15 | ug/kg dry | 25.2 | <3.15 | 57.9 | 60-140 | 8.84 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *19.2* | *ug/kg dry* | *25.2* | | *76.2* | *60-140* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *45.5* | *ug/kg dry* | *50.5* | | *90.2* | *60-140* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *48.0* | *ug/kg dry* | *50.5* | | *95.1* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *23.0* | *ug/kg dry* | *25.2* | | *91.0* | *60-140* | | |
| *Surrogate: Phenol-d5-surr* | | | *47.8* | *ug/kg dry* | *50.5* | | *94.8* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *20.8* | *ug/kg dry* | *25.2* | | *82.5* | *60-140* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Organics by GC

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3603 - SW-3570*** | | | | | | | | | | |
| **Blank (BGA3603-BLK1)** | | | | Prepared: 1/27/2023 Analyzed: 2/3/2023 | | | | | | |
| 4,4'-DDD | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| 4,4'-DDE | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| 4,4'-DDT | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Aldrin | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Chlordane (tech.) | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| delta-BHC | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Dieldrin | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Endosulfan I | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Endosulfan II | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Endosulfan sulfate | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Endrin | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Endrin aldehyde | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Endrin ketone | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| gamma-Chlordane | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Heptachlor | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Heptachlor epoxide | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Methoxychlor | <0.943 | U | 0.943 | ug/kg wet | | | | | | |
| Toxaphene (Chlorinated Camphene) | <14.2 | U | 14.2 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.90* | *ug/kg wet* | *5.66* | | *86.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.13* | *ug/kg wet* | *5.66* | | *108* | *60-140* | | |
| **TOX LCS (BGA3603-BS1)** | | | | Prepared: 1/27/2023 Analyzed: 2/3/2023 | | | | | | |
| Toxaphene (Chlorinated Camphene) | 57.2 | | 13.9 | ug/kg wet | 55.5 | | 103 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.24* | *ug/kg wet* | *5.55* | | *94.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.78* | *ug/kg wet* | *5.55* | | *104* | *60-140* | | |

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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3603 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BGA3603-BS2)** | | | | Prepared: 1/27/2023 Analyzed: 2/3/2023 | | | | | | |
| 4,4'-DDD | 4.86 | | 0.960 | ug/kg wet | 5.76 | | 84.5 | 60-140 | | |
| 4,4'-DDE | 4.45 | | 0.960 | ug/kg wet | 5.76 | | 77.2 | 60-140 | | |
| 4,4'-DDT | 3.37 | J1 | 0.960 | ug/kg wet | 5.76 | | 58.6 | 60-140 | | |
| Aldrin | 5.38 | | 0.960 | ug/kg wet | 5.76 | | 93.5 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 6.12 | | 0.960 | ug/kg wet | 5.76 | | 106 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 5.45 | | 0.960 | ug/kg wet | 5.76 | | 94.7 | 60-140 | | |
| Chlordane (tech.) | 20.8 | | 0.960 | ug/kg wet | 23.0 | | 90.4 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 5.17 | | 0.960 | ug/kg wet | 5.76 | | 89.8 | 60-140 | | |
| delta-BHC | 5.85 | | 0.960 | ug/kg wet | 5.76 | | 102 | 60-140 | | |
| Dieldrin | 5.14 | | 0.960 | ug/kg wet | 5.76 | | 89.2 | 60-140 | | |
| Endosulfan I | 4.99 | | 0.960 | ug/kg wet | 5.76 | | 86.7 | 60-140 | | |
| Endosulfan II | 5.15 | | 0.960 | ug/kg wet | 5.76 | | 89.5 | 60-140 | | |
| Endosulfan sulfate | 4.67 | | 0.960 | ug/kg wet | 5.76 | | 81.1 | 60-140 | | |
| Endrin | 5.28 | | 0.960 | ug/kg wet | 5.76 | | 91.6 | 60-140 | | |
| Endrin aldehyde | 4.09 | | 0.960 | ug/kg wet | 5.76 | | 71.1 | 60-140 | | |
| Endrin ketone | 5.15 | | 0.960 | ug/kg wet | 5.76 | | 89.4 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 5.42 | | 0.960 | ug/kg wet | 5.76 | | 94.1 | 60-140 | | |
| gamma-Chlordane | 5.22 | | 0.960 | ug/kg wet | 5.76 | | 90.7 | 60-140 | | |
| Heptachlor | 5.30 | | 0.960 | ug/kg wet | 5.76 | | 92.1 | 60-140 | | |
| Heptachlor epoxide | 5.12 | | 0.960 | ug/kg wet | 5.76 | | 88.9 | 60-140 | | |
| Methoxychlor | 4.23 | | 0.960 | ug/kg wet | 5.76 | | 73.5 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.79* | *ug/kg wet* | *5.76* | | *101* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.09* | *ug/kg wet* | *5.76* | | *106* | *60-140* | | |
| **TOX LCSD (BGA3603-BSD1)** | | | | Prepared: 1/27/2023 Analyzed: 2/3/2023 | | | | | | |
| Toxaphene (Chlorinated Camphene) | 56.3 | | 14.5 | ug/kg wet | 58.2 | | 96.8 | 60-140 | 1.46 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.30* | *ug/kg wet* | *5.82* | | *91.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.06* | *ug/kg wet* | *5.82* | | *104* | *60-140* | | |

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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3603 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BGA3603-BSD2)** | | | | Prepared: 1/27/2023 Analyzed: 2/3/2023 | | | | | | |
| 4,4'-DDD | 4.98 | | 0.963 | ug/kg wet | 5.78 | | 86.2 | 60-140 | 2.37 | 40 |
| 4,4'-DDE | 4.55 | | 0.963 | ug/kg wet | 5.78 | | 78.7 | 60-140 | 2.26 | 40 |
| 4,4'-DDT | 3.56 | | 0.963 | ug/kg wet | 5.78 | | 61.5 | 60-140 | 5.32 | 40 |
| Aldrin | 4.87 | | 0.963 | ug/kg wet | 5.78 | | 84.2 | 60-140 | 10.1 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 4.76 | | 0.963 | ug/kg wet | 5.78 | | 82.4 | 60-140 | 24.9 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 5.01 | | 0.963 | ug/kg wet | 5.78 | | 86.7 | 60-140 | 8.40 | 40 |
| Chlordane (tech.) | 19.7 | | 0.963 | ug/kg wet | 23.1 | | 85.2 | 60-140 | 5.50 | 40 |
| cis-Chlordane (alpha-Chlordane) | 4.96 | | 0.963 | ug/kg wet | 5.78 | | 85.7 | 60-140 | 4.31 | 40 |
| delta-BHC | 5.36 | | 0.963 | ug/kg wet | 5.78 | | 92.7 | 60-140 | 8.79 | 40 |
| Dieldrin | 5.18 | | 0.963 | ug/kg wet | 5.78 | | 89.7 | 60-140 | 0.916 | 40 |
| Endosulfan I | 4.70 | | 0.963 | ug/kg wet | 5.78 | | 81.3 | 60-140 | 6.07 | 40 |
| Endosulfan II | 4.84 | | 0.963 | ug/kg wet | 5.78 | | 83.8 | 60-140 | 6.21 | 40 |
| Endosulfan sulfate | 4.53 | | 0.963 | ug/kg wet | 5.78 | | 78.4 | 60-140 | 3.01 | 40 |
| Endrin | 5.15 | | 0.963 | ug/kg wet | 5.78 | | 89.1 | 60-140 | 2.39 | 40 |
| Endrin aldehyde | 3.91 | | 0.963 | ug/kg wet | 5.78 | | 67.6 | 60-140 | 4.64 | 40 |
| Endrin ketone | 4.56 | | 0.963 | ug/kg wet | 5.78 | | 78.9 | 60-140 | 12.1 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 4.83 | | 0.963 | ug/kg wet | 5.78 | | 83.6 | 60-140 | 11.5 | 40 |
| gamma-Chlordane | 5.01 | | 0.963 | ug/kg wet | 5.78 | | 86.7 | 60-140 | 4.20 | 40 |
| Heptachlor | 4.75 | | 0.963 | ug/kg wet | 5.78 | | 82.2 | 60-140 | 10.9 | 40 |
| Heptachlor epoxide | 4.98 | | 0.963 | ug/kg wet | 5.78 | | 86.2 | 60-140 | 2.62 | 40 |
| Methoxychlor | 4.16 | | 0.963 | ug/kg wet | 5.78 | | 72.0 | 60-140 | 1.68 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.42* | *ug/kg wet* | *5.78* | | *93.7* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.32* | *ug/kg wet* | *5.78* | | *109* | *60-140* | | |
| **TOX MRL (BGA3603-MRL1)** | | | | Prepared: 1/27/2023 Analyzed: 2/3/2023 | | | | | | |
| Toxaphene (Chlorinated Camphene) | 16.5 | | 14.3 | ug/kg wet | 14.3 | | 115 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *6.22* | *ug/kg wet* | *5.71* | | *109* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *7.38* | *ug/kg wet* | *5.71* | | *129* | *60-140* | | |

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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3603 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MRL Check (BGA3603-MRL2)** | | | | | Prepared: 1/27/2023 Analyzed: 2/3/2023 | | | | | |
| 4,4'-DDD | 0.303 | J | 0.980 | ug/kg wet | 0.392 | | 77.2 | | | |
| 4,4'-DDE | 0.320 | J | 0.980 | ug/kg wet | 0.392 | | 81.7 | | | |
| 4,4'-DDT | 0.243 | J | 0.980 | ug/kg wet | 0.392 | | 61.9 | | | |
| Aldrin | 0.356 | J | 0.980 | ug/kg wet | 0.392 | | 90.8 | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.432 | J | 0.980 | ug/kg wet | 0.392 | | 110 | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.298 | J | 0.980 | ug/kg wet | 0.392 | | 76.0 | | | |
| Chlordane (tech.) | 1.26 | | 0.980 | ug/kg wet | 1.57 | | 80.1 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.338 | J | 0.980 | ug/kg wet | 0.392 | | 86.1 | | | |
| delta-BHC | <0.980 | J1, U | 0.980 | ug/kg wet | 0.392 | | | | | |
| Dieldrin | 0.286 | J | 0.980 | ug/kg wet | 0.392 | | 72.9 | | | |
| Endosulfan I | 0.300 | J | 0.980 | ug/kg wet | 0.392 | | 76.4 | | | |
| Endosulfan II | 0.294 | J | 0.980 | ug/kg wet | 0.392 | | 75.0 | | | |
| Endosulfan sulfate | 0.309 | J | 0.980 | ug/kg wet | 0.392 | | 78.9 | | | |
| Endrin | 0.281 | J | 0.980 | ug/kg wet | 0.392 | | 71.8 | | | |
| Endrin aldehyde | 0.284 | J | 0.980 | ug/kg wet | 0.392 | | 72.5 | | | |
| Endrin ketone | 0.361 | J | 0.980 | ug/kg wet | 0.392 | | 92.1 | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.309 | J | 0.980 | ug/kg wet | 0.392 | | 78.7 | | | |
| gamma-Chlordane | 0.308 | J | 0.980 | ug/kg wet | 0.392 | | 78.6 | | | |
| Heptachlor | 0.278 | J | 0.980 | ug/kg wet | 0.392 | | 70.9 | | | |
| Heptachlor epoxide | 0.332 | J | 0.980 | ug/kg wet | 0.392 | | 84.7 | | | |
| Methoxychlor | 0.236 | J | 0.980 | ug/kg wet | 0.392 | | 60.2 | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.81* | *ug/kg wet* | *5.88* | | *98.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.48* | *ug/kg wet* | *5.88* | | *110* | *60-140* | | |
| **Matrix Spike (BGA3603-MS1)** | **Source: 23A1459-25** | | | | Prepared: 1/27/2023 Analyzed: 2/3/2023 | | | | | |
| 4,4'-DDD | 7.03 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 88.0 | 60-140 | | |
| 4,4'-DDE | 5.97 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 74.7 | 60-140 | | |
| 4,4'-DDT | 5.45 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 68.3 | 60-140 | | |
| Aldrin | 7.32 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 91.6 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 8.54 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 107 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 7.79 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 97.6 | 60-140 | | |
| Chlordane (tech.) | 30.1 | | 1.33 | ug/kg dry | 31.9 | <1.33 | 94.3 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 7.28 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 91.1 | 60-140 | | |
| delta-BHC | 8.52 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 107 | 60-140 | | |
| Dieldrin | 7.47 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 93.5 | 60-140 | | |
| Endosulfan I | 6.83 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 85.5 | 60-140 | | |
| Endosulfan II | 7.08 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 88.6 | 60-140 | | |
| Endosulfan sulfate | 6.70 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 83.9 | 60-140 | | |
| Endrin | 7.45 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 93.3 | 60-140 | | |
| Endrin aldehyde | 5.66 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 70.8 | 60-140 | | |
| Endrin ketone | 7.21 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 90.3 | 60-140 | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3603 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGA3603-MS1)** | **Source: 23A1459-25** | | | Prepared: 1/27/2023 Analyzed: 2/3/2023 | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 7.52 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 94.2 | 60-140 | | |
| gamma-Chlordane | 8.18 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 102 | 60-140 | | |
| Heptachlor | 7.31 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 91.6 | 60-140 | | |
| Heptachlor epoxide | 7.35 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 92.1 | 60-140 | | |
| Methoxychlor | 6.76 | | 1.33 | ug/kg dry | 7.98 | <1.33 | 84.6 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *8.12* | *ug/kg dry* | *7.98* | | *102* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *8.83* | *ug/kg dry* | *7.98* | | *111* | *60-140* | | |
| **Matrix Spike Dup (BGA3603-MSD1)** | **Source: 23A1459-25** | | | Prepared: 1/27/2023 Analyzed: 2/3/2023 | | | | | | |
| 4,4'-DDD | 6.19 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 81.0 | 60-140 | 12.8 | 40 |
| 4,4'-DDE | 5.71 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 74.7 | 60-140 | 4.51 | 40 |
| 4,4'-DDT | 4.83 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 63.2 | 60-140 | 12.2 | 40 |
| Aldrin | 6.24 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 81.7 | 60-140 | 15.8 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 7.22 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 94.5 | 60-140 | 16.8 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 6.79 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 89.0 | 60-140 | 13.7 | 40 |
| Chlordane (tech.) | 25.8 | | 1.27 | ug/kg dry | 30.6 | <1.27 | 84.3 | 60-140 | 15.6 | 40 |
| cis-Chlordane (alpha-Chlordane) | 6.21 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 81.4 | 60-140 | 15.7 | 40 |
| delta-BHC | 7.36 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 96.4 | 60-140 | 14.6 | 40 |
| Dieldrin | 6.38 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 83.5 | 60-140 | 15.7 | 40 |
| Endosulfan I | 6.12 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 80.1 | 60-140 | 11.0 | 40 |
| Endosulfan II | 6.14 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 80.4 | 60-140 | 14.2 | 40 |
| Endosulfan sulfate | 6.03 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 79.0 | 60-140 | 10.5 | 40 |
| Endrin | 6.49 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 85.0 | 60-140 | 13.7 | 40 |
| Endrin aldehyde | 5.29 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 69.3 | 60-140 | 6.67 | 40 |
| Endrin ketone | 6.31 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 82.6 | 60-140 | 13.3 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 6.58 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 86.2 | 60-140 | 13.4 | 40 |
| gamma-Chlordane | 7.07 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 92.5 | 60-140 | 14.6 | 40 |
| Heptachlor | 6.36 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 83.3 | 60-140 | 13.9 | 40 |
| Heptachlor epoxide | 6.12 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 80.1 | 60-140 | 18.4 | 40 |
| Methoxychlor | 6.09 | | 1.27 | ug/kg dry | 7.64 | <1.27 | 79.7 | 60-140 | 10.4 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *6.72* | *ug/kg dry* | *7.64* | | *87.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *8.07* | *ug/kg dry* | *7.64* | | *106* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3651 - SW-3570*** | | | | | | | | | | |
| **Blank (BGA3651-BLK1)** | | | | Prepared: 1/27/2023 Analyzed: 2/11/2023 | | | | | | |
| PCBs, Total | <1.97 | U | 1.97 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.583* | *ug/kg wet* | *0.592* | | *98.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.629* | *ug/kg wet* | *0.592* | | *106* | *60-140* | | |
| **Blank (BGA3651-BLK2)** | | | | Prepared: 1/27/2023 Analyzed: 2/24/2023 | | | | | | |
| PCBs, Total | <1.97 | U | 1.97 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | *S* | | *0.355* | *ug/kg wet* | *0.592* | | *59.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.573* | *ug/kg wet* | *0.592* | | *96.8* | *60-140* | | |
| **LCS (BGA3651-BS1)** | | | | Prepared: 1/27/2023 Analyzed: 2/11/2023 | | | | | | |
| Aroclor-1016 (PCB-1016) | 3.95 | | 1.98 | ug/kg wet | 5.93 | | 66.6 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 4.12 | | 1.98 | ug/kg wet | 5.93 | | 69.6 | 60-140 | | |
| PCBs, Total | 4.10 | | 1.98 | ug/kg wet | 5.93 | | 69.2 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.498* | *ug/kg wet* | *0.593* | | *84.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.577* | *ug/kg wet* | *0.593* | | *97.2* | *60-140* | | |
| **LCS (BGA3651-BS2)** | | | | Prepared: 1/27/2023 Analyzed: 2/24/2023 | | | | | | |
| Aroclor-1016 (PCB-1016) | 3.71 | | 1.98 | ug/kg wet | 5.93 | | 62.6 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 4.02 | | 1.98 | ug/kg wet | 5.93 | | 67.7 | 60-140 | | |
| PCBs, Total | 3.96 | | 1.98 | ug/kg wet | 5.93 | | 66.8 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | *S* | | *0.302* | *ug/kg wet* | *0.593* | | *50.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.580* | *ug/kg wet* | *0.593* | | *97.8* | *60-140* | | |
| **LCS Dup (BGA3651-BSD1)** | | | | Prepared: 1/27/2023 Analyzed: 2/11/2023 | | | | | | |
| Aroclor-1016 (PCB-1016) | 4.14 | | 1.96 | ug/kg wet | 5.88 | | 70.5 | 60-140 | 4.77 | 40 |
| Aroclor-1260 (PCB-1260) | 4.32 | | 1.96 | ug/kg wet | 5.88 | | 73.5 | 60-140 | 4.64 | 40 |
| PCBs, Total | 4.30 | | 1.96 | ug/kg wet | 5.88 | | 73.1 | 60-140 | 4.66 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.487* | *ug/kg wet* | *0.588* | | *82.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.437* | *ug/kg wet* | *0.588* | | *74.3* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3651 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BGA3651-BSD2)** | | | | | Prepared: 1/27/2023 Analyzed: 2/24/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 4.82 | | 1.96 | ug/kg wet | 5.88 | | 82.0 | 60-140 | 25.9 | 40 |
| Aroclor-1260 (PCB-1260) | 4.91 | | 1.96 | ug/kg wet | 5.88 | | 83.6 | 60-140 | 20.1 | 40 |
| PCBs, Total | 4.89 | | 1.96 | ug/kg wet | 5.88 | | 83.3 | 60-140 | 21.1 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.369* | *ug/kg wet* | *0.588* | | *62.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.573* | *ug/kg wet* | *0.588* | | *97.5* | *60-140* | | |
| **Matrix Spike (BGA3651-MS1)** | | **Source: 23A1459-27** | | | Prepared: 1/27/2023 Analyzed: 2/11/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 6.23 | | 3.01 | ug/kg dry | 9.02 | <3.01 | 69.1 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 6.60 | | 3.01 | ug/kg dry | 9.02 | <3.01 | 73.2 | 60-140 | | |
| PCBs, Total | 6.55 | | 3.01 | ug/kg dry | 9.02 | <3.01 | 72.6 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.784* | *ug/kg dry* | *0.902* | | *87.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.880* | *ug/kg dry* | *0.902* | | *97.6* | *60-140* | | |
| **Matrix Spike Dup (BGA3651-MSD1)** | | **Source: 23A1459-27** | | | Prepared: 1/27/2023 Analyzed: 2/11/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 5.15 | J1 | 2.94 | ug/kg dry | 8.83 | <2.94 | 58.4 | 60-140 | 18.9 | 40 |
| Aroclor-1260 (PCB-1260) | 5.98 | | 2.94 | ug/kg dry | 8.83 | <2.94 | 67.8 | 60-140 | 9.80 | 40 |
| PCBs, Total | 5.87 | | 2.94 | ug/kg dry | 8.83 | <2.94 | 66.5 | 60-140 | 10.9 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.663* | *ug/kg dry* | *0.883* | | *75.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.837* | *ug/kg dry* | *0.883* | | *94.8* | *60-140* | | |

| Analyte | Result | Qual | Reporting Limit | Units |
|---|---|---|---|---|
| ***Batch: BGA3839 - SW-3511*** | | | | |
| **Blank (BGA3839-BLK1)** | | | Prepared: 1/30/2023 Analyzed: 2/6/2023 | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L |
| Aldrin | <0.00600 | U | 0.00600 | ug/L |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L |
| Endrin | <0.00600 | U | 0.00600 | ug/L |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00600 | U | 0.00600 | ug/L |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3839 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BGA3839-BLK1)** | | | | | Prepared: 1/30/2023 Analyzed: 2/6/2023 | | | | | |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.300 | U | 0.300 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.123* | *ug/L* | *0.120* | | *103* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.107* | *ug/L* | *0.120* | | *89.4* | *60-140* | | |
| **LCS (BGA3839-BS1)** | | | | | Prepared: 1/30/2023 Analyzed: 2/6/2023 | | | | | |
| Toxaphene (Chlorinated Camphene) | 0.982 | | 0.300 | ug/L | 1.20 | | 81.8 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0838* | *ug/L* | *0.120* | | *69.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.0987* | *ug/L* | *0.120* | | *82.2* | *60-140* | | |
| **LCS (BGA3839-BS2)** | | | | | Prepared: 1/30/2023 Analyzed: 2/6/2023 | | | | | |
| 4,4'-DDD | 0.0901 | | 0.00600 | ug/L | 0.120 | | 75.1 | 60-140 | | |
| 4,4'-DDE | 0.0879 | | 0.00600 | ug/L | 0.120 | | 73.3 | 60-140 | | |
| 4,4'-DDT | 0.0864 | | 0.00600 | ug/L | 0.120 | | 72.0 | 60-140 | | |
| Aldrin | 0.0902 | | 0.00600 | ug/L | 0.120 | | 75.2 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.120 | | 0.00600 | ug/L | 0.120 | | 100 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0971 | | 0.00600 | ug/L | 0.120 | | 80.9 | 60-140 | | |
| Chlordane (tech.) | 0.363 | | 0.00600 | ug/L | 0.480 | | 75.7 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0925 | | 0.00600 | ug/L | 0.120 | | 77.1 | 60-140 | | |
| delta-BHC | 0.101 | | 0.00600 | ug/L | 0.120 | | 84.2 | 60-140 | | |
| Dieldrin | 0.0940 | | 0.00600 | ug/L | 0.120 | | 78.3 | 60-140 | | |
| Endosulfan I | 0.0853 | | 0.00600 | ug/L | 0.120 | | 71.0 | 60-140 | | |
| Endosulfan II | 0.0903 | | 0.00600 | ug/L | 0.120 | | 75.2 | 60-140 | | |
| Endosulfan sulfate | 0.0910 | | 0.00600 | ug/L | 0.120 | | 75.8 | 60-140 | | |
| Endrin | 0.0830 | | 0.00600 | ug/L | 0.120 | | 69.2 | 60-140 | | |
| Endrin aldehyde | 0.101 | | 0.00600 | ug/L | 0.120 | | 83.8 | 60-140 | | |
| Endrin ketone | 0.0938 | | 0.00600 | ug/L | 0.120 | | 78.1 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.106 | | 0.00600 | ug/L | 0.120 | | 88.0 | 60-140 | | |
| gamma-Chlordane | 0.0863 | | 0.00600 | ug/L | 0.120 | | 71.9 | 60-140 | | |
| Heptachlor | 0.0908 | | 0.00600 | ug/L | 0.120 | | 75.7 | 60-140 | | |
| Heptachlor epoxide | 0.0936 | | 0.00600 | ug/L | 0.120 | | 78.0 | 60-140 | | |
| Methoxychlor | 0.0878 | | 0.00600 | ug/L | 0.120 | | 73.2 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.122* | *ug/L* | *0.120* | | *102* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.106* | *ug/L* | *0.120* | | *88.5* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3839 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BGA3839-BSD1)** | | | | | Prepared: 1/30/2023 Analyzed: 2/6/2023 | | | | | |
| Toxaphene (Chlorinated Camphene) | 1.21 | | 0.300 | ug/L | 1.20 | | 101 | 60-140 | 21.1 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.103* | *ug/L* | *0.120* | | *86.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.118* | *ug/L* | *0.120* | | *98.3* | *60-140* | | |
| **LCS Dup (BGA3839-BSD2)** | | | | | Prepared: 1/30/2023 Analyzed: 2/6/2023 | | | | | |
| 4,4'-DDD | 0.0863 | | 0.00600 | ug/L | 0.120 | | 72.0 | 60-140 | 4.27 | 40 |
| 4,4'-DDE | 0.0911 | | 0.00600 | ug/L | 0.120 | | 75.9 | 60-140 | 3.58 | 40 |
| 4,4'-DDT | 0.0877 | | 0.00600 | ug/L | 0.120 | | 73.1 | 60-140 | 1.43 | 40 |
| Aldrin | 0.0870 | | 0.00600 | ug/L | 0.120 | | 72.5 | 60-140 | 3.69 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.121 | | 0.00600 | ug/L | 0.120 | | 101 | 60-140 | 0.770 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0975 | | 0.00600 | ug/L | 0.120 | | 81.3 | 60-140 | 0.407 | 40 |
| Chlordane (tech.) | 0.357 | | 0.00600 | ug/L | 0.480 | | 74.5 | 60-140 | 1.61 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.0907 | | 0.00600 | ug/L | 0.120 | | 75.6 | 60-140 | 1.95 | 40 |
| delta-BHC | 0.0996 | | 0.00600 | ug/L | 0.120 | | 83.0 | 60-140 | 1.42 | 40 |
| Dieldrin | 0.0955 | | 0.00600 | ug/L | 0.120 | | 79.6 | 60-140 | 1.62 | 40 |
| Endosulfan I | 0.0850 | | 0.00600 | ug/L | 0.120 | | 70.8 | 60-140 | 0.345 | 40 |
| Endosulfan II | 0.0872 | | 0.00600 | ug/L | 0.120 | | 72.6 | 60-140 | 3.50 | 40 |
| Endosulfan sulfate | 0.0934 | | 0.00600 | ug/L | 0.120 | | 77.8 | 60-140 | 2.63 | 40 |
| Endrin | 0.0840 | | 0.00600 | ug/L | 0.120 | | 70.0 | 60-140 | 1.18 | 40 |
| Endrin aldehyde | 0.0938 | | 0.00600 | ug/L | 0.120 | | 78.1 | 60-140 | 6.97 | 40 |
| Endrin ketone | 0.0904 | | 0.00600 | ug/L | 0.120 | | 75.3 | 60-140 | 3.64 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.104 | | 0.00600 | ug/L | 0.120 | | 87.1 | 60-140 | 1.02 | 40 |
| gamma-Chlordane | 0.0872 | | 0.00600 | ug/L | 0.120 | | 72.6 | 60-140 | 0.975 | 40 |
| Heptachlor | 0.0906 | | 0.00600 | ug/L | 0.120 | | 75.5 | 60-140 | 0.198 | 40 |
| Heptachlor epoxide | 0.0889 | | 0.00600 | ug/L | 0.120 | | 74.1 | 60-140 | 5.13 | 40 |
| Methoxychlor | 0.0826 | | 0.00600 | ug/L | 0.120 | | 68.8 | 60-140 | 6.08 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.123* | *ug/L* | *0.120* | | *103* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.107* | *ug/L* | *0.120* | | *89.1* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3839 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MRL Check (BGA3839-MRL1)** | | | | | Prepared: 1/30/2023 Analyzed: 2/6/2023 | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.300 | J1, U | 0.300 | ug/L | 0.300 | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.118* | *ug/L* | *0.120* | | *98.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.113* | *ug/L* | *0.120* | | *93.8* | *60-140* | | |
| **MRL Check (BGA3839-MRL2)** | | | | | Prepared: 1/30/2023 Analyzed: 2/6/2023 | | | | | |
| 4,4'-DDD | 0.00863 | | 0.00600 | ug/L | 0.0120 | | 71.9 | 50-150 | | |
| 4,4'-DDE | 0.00848 | | 0.00600 | ug/L | 0.0120 | | 70.7 | 50-150 | | |
| 4,4'-DDT | 0.00919 | | 0.00600 | ug/L | 0.0120 | | 76.6 | 50-150 | | |
| Aldrin | 0.00821 | | 0.00600 | ug/L | 0.0120 | | 68.4 | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0112 | | 0.00600 | ug/L | 0.0120 | | 93.7 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0102 | | 0.00600 | ug/L | 0.0120 | | 85.4 | 50-150 | | |
| Chlordane (tech.) | 0.0412 | | 0.00600 | ug/L | 0.0480 | | 85.9 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0138 | | 0.00600 | ug/L | 0.0120 | | 115 | 50-150 | | |
| delta-BHC | <0.00600 | J1, U | 0.00600 | ug/L | 0.0120 | | | 50-150 | | |
| Dieldrin | 0.00932 | | 0.00600 | ug/L | 0.0120 | | 77.6 | 50-150 | | |
| Endosulfan I | 0.00871 | | 0.00600 | ug/L | 0.0120 | | 72.6 | 50-150 | | |
| Endosulfan II | 0.00826 | | 0.00600 | ug/L | 0.0120 | | 68.8 | 50-150 | | |
| Endosulfan sulfate | 0.0104 | | 0.00600 | ug/L | 0.0120 | | 87.0 | 50-150 | | |
| Endrin | 0.00974 | | 0.00600 | ug/L | 0.0120 | | 81.2 | 50-150 | | |
| Endrin aldehyde | 0.00952 | | 0.00600 | ug/L | 0.0120 | | 79.4 | 50-150 | | |
| Endrin ketone | 0.0104 | | 0.00600 | ug/L | 0.0120 | | 86.5 | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0105 | | 0.00600 | ug/L | 0.0120 | | 87.2 | 50-150 | | |
| gamma-Chlordane | 0.00840 | | 0.00600 | ug/L | 0.0120 | | 70.0 | 50-150 | | |
| Heptachlor | 0.0103 | | 0.00600 | ug/L | 0.0120 | | 86.0 | 50-150 | | |
| Heptachlor epoxide | 0.00875 | | 0.00600 | ug/L | 0.0120 | | 73.0 | 50-150 | | |
| Methoxychlor | 0.00982 | | 0.00600 | ug/L | 0.0120 | | 81.8 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0993* | *ug/L* | *0.120* | | *82.7* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.105* | *ug/L* | *0.120* | | *87.5* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3839 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGA3839-MS1)** | **Source: 23A1459-02** | | | | Prepared: 1/30/2023 Analyzed: 2/6/2023 | | | | | |
| 4,4'-DDD | 0.0701 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 58.4 | 60-140 | | |
| 4,4'-DDE | 0.0611 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 50.9 | 60-140 | | |
| 4,4'-DDT | 0.0348 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 29.0 | 60-140 | | |
| Aldrin | 0.0634 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 52.8 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.116 | | 0.00600 | ug/L | 0.120 | <0.00600 | 96.7 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.109 | | 0.00600 | ug/L | 0.120 | <0.00600 | 90.6 | 60-140 | | |
| Chlordane (tech.) | 0.323 | | 0.00600 | ug/L | 0.480 | <0.00600 | 67.2 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0743 | | 0.00600 | ug/L | 0.120 | <0.00600 | 61.9 | 60-140 | | |
| delta-BHC | 0.111 | | 0.00600 | ug/L | 0.120 | <0.00600 | 92.4 | 60-140 | | |
| Dieldrin | 0.0995 | | 0.00600 | ug/L | 0.120 | <0.00600 | 82.9 | 60-140 | | |
| Endosulfan I | 0.0905 | | 0.00600 | ug/L | 0.120 | <0.00600 | 75.4 | 60-140 | | |
| Endosulfan II | 0.102 | | 0.00600 | ug/L | 0.120 | <0.00600 | 84.7 | 60-140 | | |
| Endosulfan sulfate | 0.108 | | 0.00600 | ug/L | 0.120 | <0.00600 | 89.6 | 60-140 | | |
| Endrin | 0.0952 | | 0.00600 | ug/L | 0.120 | <0.00600 | 79.3 | 60-140 | | |
| Endrin aldehyde | 0.100 | | 0.00600 | ug/L | 0.120 | <0.00600 | 83.7 | 60-140 | | |
| Endrin ketone | 0.105 | | 0.00600 | ug/L | 0.120 | <0.00600 | 87.5 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.105 | | 0.00600 | ug/L | 0.120 | <0.00600 | 87.9 | 60-140 | | |
| gamma-Chlordane | 0.0721 | | 0.00600 | ug/L | 0.120 | <0.00600 | 60.1 | 60-140 | | |
| Heptachlor | 0.0787 | | 0.00600 | ug/L | 0.120 | <0.00600 | 65.5 | 60-140 | | |
| Heptachlor epoxide | 0.0976 | | 0.00600 | ug/L | 0.120 | <0.00600 | 81.3 | 60-140 | | |
| Methoxychlor | 0.0480 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 40.0 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.104* | *ug/L* | *0.120* | | *86.7* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0539* | *ug/L* | *0.120* | | *44.9* | *60-140* | | |
| **Matrix Spike Dup (BGA3839-MSD1)** | **Source: 23A1459-02** | | | | Prepared: 1/30/2023 Analyzed: 2/6/2023 | | | | | |
| 4,4'-DDD | 0.0588 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 49.0 | 60-140 | 17.6 | 40 |
| 4,4'-DDE | 0.0448 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 37.4 | 60-140 | 30.6 | 40 |
| 4,4'-DDT | 0.0324 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 27.0 | 60-140 | 7.06 | 40 |
| Aldrin | 0.0534 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 44.5 | 60-140 | 17.1 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.111 | | 0.00600 | ug/L | 0.120 | <0.00600 | 92.5 | 60-140 | 4.41 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0972 | | 0.00600 | ug/L | 0.120 | <0.00600 | 81.0 | 60-140 | 11.2 | 40 |
| Chlordane (tech.) | 0.288 | J1 | 0.00600 | ug/L | 0.480 | <0.00600 | 59.9 | 60-140 | 11.5 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.0670 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 55.8 | 60-140 | 10.4 | 40 |
| delta-BHC | 0.100 | | 0.00600 | ug/L | 0.120 | <0.00600 | 83.4 | 60-140 | 10.2 | 40 |
| Dieldrin | 0.0928 | | 0.00600 | ug/L | 0.120 | <0.00600 | 77.3 | 60-140 | 6.98 | 40 |
| Endosulfan I | 0.0843 | | 0.00600 | ug/L | 0.120 | <0.00600 | 70.3 | 60-140 | 7.08 | 40 |
| Endosulfan II | 0.0878 | | 0.00600 | ug/L | 0.120 | <0.00600 | 73.2 | 60-140 | 14.6 | 40 |
| Endosulfan sulfate | 0.0917 | | 0.00600 | ug/L | 0.120 | <0.00600 | 76.4 | 60-140 | 15.9 | 40 |
| Endrin | 0.0861 | | 0.00600 | ug/L | 0.120 | <0.00600 | 71.8 | 60-140 | 10.0 | 40 |
| Endrin aldehyde | 0.0914 | | 0.00600 | ug/L | 0.120 | <0.00600 | 76.1 | 60-140 | 9.45 | 40 |
| Endrin ketone | 0.0921 | | 0.00600 | ug/L | 0.120 | <0.00600 | 76.7 | 60-140 | 13.1 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3839 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BGA3839-MSD1)** | **Source: 23A1459-02** | | | | Prepared: 1/30/2023 Analyzed: 2/6/2023 | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0991 | | 0.00600 | ug/L | 0.120 | <0.00600 | 82.6 | 60-140 | 6.22 | 40 |
| gamma-Chlordane | 0.0633 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 52.7 | 60-140 | 13.0 | 40 |
| Heptachlor | 0.0689 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 57.4 | 60-140 | 13.2 | 40 |
| Heptachlor epoxide | 0.0885 | | 0.00600 | ug/L | 0.120 | <0.00600 | 73.7 | 60-140 | 9.82 | 40 |
| Methoxychlor | 0.0405 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 33.8 | 60-140 | 17.0 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0959* | *ug/L* | *0.120* | | *79.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0488* | *ug/L* | *0.120* | | *40.7* | *60-140* | | |
| ***Batch: BGB0044 - SW-3570*** | | | | | | | | | | |
| **Blank (BGB0044-BLK1)** | | | | | Prepared: 2/1/2023 Analyzed: 2/7/2023 | | | | | |
| 4,4'-DDD | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| 4,4'-DDE | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| 4,4'-DDT | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Aldrin | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Chlordane (tech.) | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| delta-BHC | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Dieldrin | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Endosulfan I | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Endosulfan II | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Endosulfan sulfate | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Endrin | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Endrin aldehyde | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Endrin ketone | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| gamma-Chlordane | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Heptachlor | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Heptachlor epoxide | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Methoxychlor | <1.00 | U | 1.00 | ug/kg wet | | | | | | |
| Toxaphene (Chlorinated Camphene) | <15.0 | U | 15.0 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *1.61* | *ug/kg wet* | *6.00* | | *26.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.30* | *ug/kg wet* | *6.00* | | *105* | *60-140* | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0044 - SW-3570 (Continued)*** | | | | | | | | | | |
| **TOX LCS (BGB0044-BS1)** | | | | | Prepared: 2/1/2023 Analyzed: 2/7/2023 | | | | | |
| Toxaphene (Chlorinated Camphene) | 61.0 | | 15.0 | ug/kg wet | 60.0 | | 102 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.67* | *ug/kg wet* | *6.00* | | *77.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.51* | *ug/kg wet* | *6.00* | | *91.8* | *60-140* | | |
| **LCS (BGB0044-BS2)** | | | | | Prepared: 2/1/2023 Analyzed: 2/7/2023 | | | | | |
| 4,4'-DDD | 5.23 | | 1.00 | ug/kg wet | 6.00 | | 87.1 | 60-140 | | |
| 4,4'-DDE | 5.67 | | 1.00 | ug/kg wet | 6.00 | | 94.6 | 60-140 | | |
| 4,4'-DDT | 3.67 | | 1.00 | ug/kg wet | 6.00 | | 61.2 | 60-140 | | |
| Aldrin | 5.37 | | 1.00 | ug/kg wet | 6.00 | | 89.5 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 6.24 | | 1.00 | ug/kg wet | 6.00 | | 104 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 5.42 | | 1.00 | ug/kg wet | 6.00 | | 90.3 | 60-140 | | |
| Chlordane (tech.) | 21.1 | | 1.00 | ug/kg wet | 24.0 | | 87.8 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 5.23 | | 1.00 | ug/kg wet | 6.00 | | 87.1 | 60-140 | | |
| delta-BHC | 5.42 | | 1.00 | ug/kg wet | 6.00 | | 90.4 | 60-140 | | |
| Dieldrin | 5.17 | | 1.00 | ug/kg wet | 6.00 | | 86.2 | 60-140 | | |
| Endosulfan I | 5.02 | | 1.00 | ug/kg wet | 6.00 | | 83.6 | 60-140 | | |
| Endosulfan II | 5.12 | | 1.00 | ug/kg wet | 6.00 | | 85.3 | 60-140 | | |
| Endosulfan sulfate | 5.04 | | 1.00 | ug/kg wet | 6.00 | | 84.0 | 60-140 | | |
| Endrin | 5.32 | | 1.00 | ug/kg wet | 6.00 | | 88.7 | 60-140 | | |
| Endrin aldehyde | 4.35 | | 1.00 | ug/kg wet | 6.00 | | 72.6 | 60-140 | | |
| Endrin ketone | 5.48 | | 1.00 | ug/kg wet | 6.00 | | 91.3 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 5.65 | | 1.00 | ug/kg wet | 6.00 | | 94.1 | 60-140 | | |
| gamma-Chlordane | 5.16 | | 1.00 | ug/kg wet | 6.00 | | 86.1 | 60-140 | | |
| Heptachlor | 5.36 | | 1.00 | ug/kg wet | 6.00 | | 89.4 | 60-140 | | |
| Heptachlor epoxide | 5.32 | | 1.00 | ug/kg wet | 6.00 | | 88.6 | 60-140 | | |
| Methoxychlor | 4.81 | | 1.00 | ug/kg wet | 6.00 | | 80.2 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.46* | *ug/kg wet* | *6.00* | | *91.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.45* | *ug/kg wet* | *6.00* | | *108* | *60-140* | | |

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# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0044 - SW-3570 (Continued)*** | | | | | | | | | | |
| **TOX LCSD (BGB0044-BSD1)** | | | | | Prepared: 2/1/2023 Analyzed: 2/7/2023 | | | | | |
| Toxaphene (Chlorinated Camphene) | 62.7 | | 15.0 | ug/kg wet | 60.0 | | 105 | 60-140 | 2.80 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.79* | *ug/kg wet* | *6.00* | | *79.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.10* | *ug/kg wet* | *6.00* | | *102* | *60-140* | | |
| **LCS Dup (BGB0044-BSD2)** | | | | | Prepared: 2/1/2023 Analyzed: 2/8/2023 | | | | | |
| 4,4'-DDD | 5.38 | | 1.00 | ug/kg wet | 6.00 | | 89.6 | 60-140 | 2.80 | 40 |
| 4,4'-DDE | 5.59 | | 1.00 | ug/kg wet | 6.00 | | 93.2 | 60-140 | 1.44 | 40 |
| 4,4'-DDT | 3.61 | | 1.00 | ug/kg wet | 6.00 | | 60.1 | 60-140 | 1.89 | 40 |
| Aldrin | 6.13 | | 1.00 | ug/kg wet | 6.00 | | 102 | 60-140 | 13.2 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 6.80 | | 1.00 | ug/kg wet | 6.00 | | 113 | 60-140 | 8.59 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 6.35 | | 1.00 | ug/kg wet | 6.00 | | 106 | 60-140 | 15.8 | 40 |
| Chlordane (tech.) | 23.4 | | 1.00 | ug/kg wet | 24.0 | | 97.4 | 60-140 | 10.4 | 40 |
| cis-Chlordane (alpha-Chlordane) | 5.53 | | 1.00 | ug/kg wet | 6.00 | | 92.2 | 60-140 | 5.73 | 40 |
| delta-BHC | 6.70 | | 1.00 | ug/kg wet | 6.00 | | 112 | 60-140 | 21.1 | 40 |
| Dieldrin | 5.20 | | 1.00 | ug/kg wet | 6.00 | | 86.6 | 60-140 | 0.521 | 40 |
| Endosulfan I | 5.13 | | 1.00 | ug/kg wet | 6.00 | | 85.5 | 60-140 | 2.27 | 40 |
| Endosulfan II | 5.19 | | 1.00 | ug/kg wet | 6.00 | | 86.4 | 60-140 | 1.31 | 40 |
| Endosulfan sulfate | 5.13 | | 1.00 | ug/kg wet | 6.00 | | 85.6 | 60-140 | 1.89 | 40 |
| Endrin | 5.07 | | 1.00 | ug/kg wet | 6.00 | | 84.4 | 60-140 | 4.89 | 40 |
| Endrin aldehyde | 4.26 | | 1.00 | ug/kg wet | 6.00 | | 71.0 | 60-140 | 2.22 | 40 |
| Endrin ketone | 5.39 | | 1.00 | ug/kg wet | 6.00 | | 89.8 | 60-140 | 1.68 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 6.31 | | 1.00 | ug/kg wet | 6.00 | | 105 | 60-140 | 11.1 | 40 |
| gamma-Chlordane | 5.69 | | 1.00 | ug/kg wet | 6.00 | | 94.9 | 60-140 | 9.74 | 40 |
| Heptachlor | 6.12 | | 1.00 | ug/kg wet | 6.00 | | 102 | 60-140 | 13.2 | 40 |
| Heptachlor epoxide | 6.04 | | 1.00 | ug/kg wet | 6.00 | | 101 | 60-140 | 12.7 | 40 |
| Methoxychlor | 4.88 | | 1.00 | ug/kg wet | 6.00 | | 81.3 | 60-140 | 1.37 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.94* | *ug/kg wet* | *6.00* | | *99.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.34* | *ug/kg wet* | *6.00* | | *106* | *60-140* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0044 - SW-3570 (Continued)*** | | | | | | | | | | |
| **TOX MRL (BGB0044-MRL1)** | | | | | Prepared: 2/1/2023 Analyzed: 2/7/2023 | | | | | |
| Toxaphene (Chlorinated Camphene) | 16.8 | | 15.0 | ug/kg wet | 15.0 | | 112 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.87* | *ug/kg wet* | *6.00* | | *97.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.90* | *ug/kg wet* | *6.00* | | *98.3* | *60-140* | | |
| **MRL Check (BGB0044-MRL2)** | | | | | Prepared: 2/1/2023 Analyzed: 2/7/2023 | | | | | |
| 4,4'-DDD | 0.375 | J | 1.00 | ug/kg wet | 0.400 | | 93.7 | | | |
| 4,4'-DDE | 0.366 | J | 1.00 | ug/kg wet | 0.400 | | 91.5 | | | |
| 4,4'-DDT | 0.291 | J | 1.00 | ug/kg wet | 0.400 | | 72.8 | | | |
| Aldrin | 0.321 | J | 1.00 | ug/kg wet | 0.400 | | 80.2 | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.470 | J | 1.00 | ug/kg wet | 0.400 | | 117 | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.393 | J | 1.00 | ug/kg wet | 0.400 | | 98.3 | | | |
| Chlordane (tech.) | 1.34 | | 1.00 | ug/kg wet | 1.60 | | 83.8 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.356 | J | 1.00 | ug/kg wet | 0.400 | | 89.1 | | | |
| delta-BHC | <1.00 | J1, U | 1.00 | ug/kg wet | 0.400 | | | | | |
| Dieldrin | 0.296 | J | 1.00 | ug/kg wet | 0.400 | | 74.0 | | | |
| Endosulfan I | 0.325 | J | 1.00 | ug/kg wet | 0.400 | | 81.3 | | | |
| Endosulfan II | 0.339 | J | 1.00 | ug/kg wet | 0.400 | | 84.8 | | | |
| Endosulfan sulfate | 0.352 | J | 1.00 | ug/kg wet | 0.400 | | 88.0 | | | |
| Endrin | 0.259 | J | 1.00 | ug/kg wet | 0.400 | | 64.6 | | | |
| Endrin aldehyde | 0.302 | J | 1.00 | ug/kg wet | 0.400 | | 75.4 | | | |
| Endrin ketone | 0.410 | J | 1.00 | ug/kg wet | 0.400 | | 103 | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.385 | J | 1.00 | ug/kg wet | 0.400 | | 96.2 | | | |
| gamma-Chlordane | 0.337 | J | 1.00 | ug/kg wet | 0.400 | | 84.2 | | | |
| Heptachlor | 0.297 | J | 1.00 | ug/kg wet | 0.400 | | 74.2 | | | |
| Heptachlor epoxide | 0.351 | J | 1.00 | ug/kg wet | 0.400 | | 87.7 | | | |
| Methoxychlor | 0.336 | J | 1.00 | ug/kg wet | 0.400 | | 83.9 | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.91* | *ug/kg wet* | *6.00* | | *81.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.28* | *ug/kg wet* | *6.00* | | *105* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0044 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB0044-MS1)** | **Source: 23A1459-47** | | | Prepared: 2/1/2023 Analyzed: 2/8/2023 | | | | | | |
| 4,4'-DDD | 9.43 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 109 | 60-140 | | |
| 4,4'-DDE | 9.60 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 110 | 60-140 | | |
| 4,4'-DDT | 5.89 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 67.8 | 60-140 | | |
| Aldrin | 8.26 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 95.1 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 10.2 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 117 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 9.53 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 110 | 60-140 | | |
| Chlordane (tech.) | 34.3 | | 1.45 | ug/kg dry | 34.8 | <1.45 | 98.6 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 8.49 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 97.7 | 60-140 | | |
| delta-BHC | 9.44 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 109 | 60-140 | | |
| Dieldrin | 8.90 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 102 | 60-140 | | |
| Endosulfan I | 8.23 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 94.7 | 60-140 | | |
| Endosulfan II | 8.73 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 100 | 60-140 | | |
| Endosulfan sulfate | 8.68 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 99.8 | 60-140 | | |
| Endrin | 8.77 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 101 | 60-140 | | |
| Endrin aldehyde | 7.51 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 86.4 | 60-140 | | |
| Endrin ketone | 7.73 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 88.9 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 9.33 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 107 | 60-140 | | |
| gamma-Chlordane | 8.25 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 94.9 | 60-140 | | |
| Heptachlor | 8.76 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 101 | 60-140 | | |
| Heptachlor epoxide | 8.76 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 101 | 60-140 | | |
| Methoxychlor | 7.29 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 83.9 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *8.62* | *ug/kg dry* | *8.69* | | *99.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *9.05* | *ug/kg dry* | *8.69* | | *104* | *60-140* | | |
| **Matrix Spike Dup (BGB0044-MSD1)** | **Source: 23A1459-47** | | | Prepared: 2/1/2023 Analyzed: 2/8/2023 | | | | | | |
| 4,4'-DDD | 7.49 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 86.2 | 60-140 | 22.9 | 40 |
| 4,4'-DDE | 8.94 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 103 | 60-140 | 7.09 | 40 |
| 4,4'-DDT | 5.43 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 62.5 | 60-140 | 8.09 | 40 |
| Aldrin | 7.11 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 81.8 | 60-140 | 15.0 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 8.92 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 103 | 60-140 | 13.1 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 8.09 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 93.1 | 60-140 | 16.3 | 40 |
| Chlordane (tech.) | 29.8 | | 1.45 | ug/kg dry | 34.8 | <1.45 | 85.6 | 60-140 | 14.0 | 40 |
| cis-Chlordane (alpha-Chlordane) | 7.39 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 85.0 | 60-140 | 13.9 | 40 |
| delta-BHC | 8.06 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 92.7 | 60-140 | 15.8 | 40 |
| Dieldrin | 7.30 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 84.0 | 60-140 | 19.7 | 40 |
| Endosulfan I | 6.97 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 80.2 | 60-140 | 16.5 | 40 |
| Endosulfan II | 6.83 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 78.6 | 60-140 | 24.4 | 40 |
| Endosulfan sulfate | 7.06 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 81.2 | 60-140 | 20.5 | 40 |
| Endrin | 7.78 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 89.6 | 60-140 | 12.0 | 40 |
| Endrin aldehyde | 6.44 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 74.1 | 60-140 | 15.3 | 40 |
| Endrin ketone | 7.36 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 84.7 | 60-140 | 4.86 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0044 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BGB0044-MSD1)** | **Source: 23A1459-47** | | | | Prepared: 2/1/2023 Analyzed: 2/8/2023 | | | | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 7.84 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 90.2 | 60-140 | 17.4 | 40 |
| gamma-Chlordane | 7.23 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 83.2 | 60-140 | 13.1 | 40 |
| Heptachlor | 7.45 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 85.8 | 60-140 | 16.1 | 40 |
| Heptachlor epoxide | 7.69 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 88.5 | 60-140 | 13.1 | 40 |
| Methoxychlor | 7.02 | | 1.45 | ug/kg dry | 8.69 | <1.45 | 80.8 | 60-140 | 3.80 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *7.28* | *ug/kg dry* | *8.69* | | *83.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *9.40* | *ug/kg dry* | *8.69* | | *108* | *60-140* | | |
| ***Batch: BGB0277 - SW-3511*** | | | | | | | | | | |
| **Blank (BGB0277-BLK1)** | | | | | Prepared: 2/2/2023 Analyzed: 2/11/2023 | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.147* | *ug/L* | *0.120* | | *123* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.142* | *ug/L* | *0.120* | | *118* | *60-140* | | |
| **LCS (BGB0277-BS1)** | | | | | Prepared: 2/2/2023 Analyzed: 2/11/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.120 | L, U | 0.120 | ug/L | 1.20 | | | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 0.852 | | 0.120 | ug/L | 1.20 | | 71.0 | 60-140 | | |
| PCBs, Total | 1.14 | | 0.120 | ug/L | 1.20 | | 94.9 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.117* | *ug/L* | *0.120* | | *97.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.118* | *ug/L* | *0.120* | | *98.6* | *60-140* | | |
| **LCS Dup (BGB0277-BSD1)** | | | | | Prepared: 2/2/2023 Analyzed: 2/11/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.120 | L, U | 0.120 | ug/L | 1.20 | | | 60-140 | | 40 |
| Aroclor-1260 (PCB-1260) | 0.913 | | 0.120 | ug/L | 1.20 | | 76.1 | 60-140 | 6.89 | 40 |
| PCBs, Total | 1.22 | | 0.120 | ug/L | 1.20 | | 102 | 60-140 | 7.18 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.131* | *ug/L* | *0.120* | | *109* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.127* | *ug/L* | *0.120* | | *106* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0277 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MRL Check (BGB0277-MRL1)** | | | | | Prepared: 2/2/2023 Analyzed: 2/11/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.120 | J1, L, U | 0.120 | ug/L | 0.240 | | | 50-150 | | |
| Aroclor-1221 (PCB-1221) | <0.120 | U | 0.120 | ug/L | | | | 50-150 | | |
| Aroclor-1232 (PCB-1232) | <0.120 | U | 0.120 | ug/L | | | | 50-150 | | |
| Aroclor-1242 (PCB-1242) | <0.120 | U | 0.120 | ug/L | | | | 50-150 | | |
| Aroclor-1248 (PCB-1248) | <0.120 | U | 0.120 | ug/L | | | | 50-150 | | |
| Aroclor-1254 (PCB-1254) | <0.120 | U | 0.120 | ug/L | | | | 50-150 | | |
| Aroclor-1260 (PCB-1260) | 0.206 | | 0.120 | ug/L | 0.240 | | 85.8 | 50-150 | | |
| PCBs, Total | 0.489 | J1 | 0.120 | ug/L | 0.240 | | 204 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.133* | *ug/L* | *0.120* | | *111* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.128* | *ug/L* | *0.120* | | *107* | *60-140* | | |
| **Matrix Spike (BGB0277-MS1)** | | **Source: 23A1459-49** | | | Prepared: 2/2/2023 Analyzed: 2/11/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 0.709 | J1 | 0.120 | ug/L | 1.20 | <0.120 | 59.1 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 0.549 | J1 | 0.120 | ug/L | 1.20 | <0.120 | 45.8 | 60-140 | | |
| PCBs, Total | 0.571 | J1 | 0.120 | ug/L | 1.20 | <0.120 | 47.6 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.105* | *ug/L* | *0.120* | | *87.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0685* | *ug/L* | *0.120* | | *57.1* | *60-140* | | |
| **Matrix Spike Dup (BGB0277-MSD1)** | | **Source: 23A1459-49** | | | Prepared: 2/2/2023 Analyzed: 2/11/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 0.805 | | 0.120 | ug/L | 1.20 | <0.120 | 67.1 | 60-140 | 12.7 | 40 |
| Aroclor-1260 (PCB-1260) | 0.556 | J1 | 0.120 | ug/L | 1.20 | <0.120 | 46.3 | 60-140 | 1.17 | 40 |
| PCBs, Total | 0.589 | J1 | 0.120 | ug/L | 1.20 | <0.120 | 49.1 | 60-140 | 3.09 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.115* | *ug/L* | *0.120* | | *95.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0649* | *ug/L* | *0.120* | | *54.1* | *60-140* | | |

***Batch: BGB0477 - SW-3570***

| Analyte | Result | Qual | Reporting Limit | Units |
|---|---|---|---|---|
| **Blank (BGB0477-BLK1)** | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | |
| 4,4'-DDD | <0.999 | U | 0.999 | ug/kg wet |
| 4,4'-DDE | <0.999 | U | 0.999 | ug/kg wet |
| 4,4'-DDT | <0.999 | U | 0.999 | ug/kg wet |
| Aldrin | <0.999 | U | 0.999 | ug/kg wet |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.999 | U | 0.999 | ug/kg wet |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.999 | U | 0.999 | ug/kg wet |
| Chlordane (tech.) | <0.999 | U | 0.999 | ug/kg wet |
| cis-Chlordane (alpha-Chlordane) | <0.999 | U | 0.999 | ug/kg wet |
| delta-BHC | <0.999 | U | 0.999 | ug/kg wet |
| Dieldrin | <0.999 | U | 0.999 | ug/kg wet |
| Endosulfan I | <0.999 | U | 0.999 | ug/kg wet |
| Endosulfan II | <0.999 | U | 0.999 | ug/kg wet |
| Endosulfan sulfate | <0.999 | U | 0.999 | ug/kg wet |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0477 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Blank (BGB0477-BLK1)** | | | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | | | | | |
| Endrin | <0.999 | U | 0.999 | ug/kg wet | | | | | | |
| Endrin aldehyde | <0.999 | U | 0.999 | ug/kg wet | | | | | | |
| Endrin ketone | <0.999 | U | 0.999 | ug/kg wet | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.999 | U | 0.999 | ug/kg wet | | | | | | |
| gamma-Chlordane | <0.999 | U | 0.999 | ug/kg wet | | | | | | |
| Heptachlor | <0.999 | U | 0.999 | ug/kg wet | | | | | | |
| Heptachlor epoxide | <0.999 | U | 0.999 | ug/kg wet | | | | | | |
| Methoxychlor | <0.999 | U | 0.999 | ug/kg wet | | | | | | |
| Toxaphene (Chlorinated Camphene) | <15.0 | U | 15.0 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *6.52* | *ug/kg wet* | *5.99* | | *109* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.50* | *ug/kg wet* | *5.99* | | *108* | *60-140* | | |
| **TOX LCS (BGB0477-BS1)** | | | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | | | | | |
| Toxaphene (Chlorinated Camphene) | 62.4 | | 14.9 | ug/kg wet | 59.7 | | 104 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *3.71* | *ug/kg wet* | *5.97* | | *62.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.83* | *ug/kg wet* | *5.97* | | *97.6* | *60-140* | | |
| **LCS (BGB0477-BS2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | | | | | |
| 4,4'-DDD | 5.52 | | 0.991 | ug/kg wet | 5.95 | | 92.9 | 60-140 | | |
| 4,4'-DDE | 4.95 | | 0.991 | ug/kg wet | 5.95 | | 83.2 | 60-140 | | |
| 4,4'-DDT | 3.58 | | 0.991 | ug/kg wet | 5.95 | | 60.2 | 60-140 | | |
| Aldrin | 5.09 | | 0.991 | ug/kg wet | 5.95 | | 85.6 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 6.52 | | 0.991 | ug/kg wet | 5.95 | | 110 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 5.63 | | 0.991 | ug/kg wet | 5.95 | | 94.7 | 60-140 | | |
| Chlordane (tech.) | 20.9 | | 0.991 | ug/kg wet | 23.8 | | 88.1 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 5.27 | | 0.991 | ug/kg wet | 5.95 | | 88.6 | 60-140 | | |
| delta-BHC | 4.67 | | 0.991 | ug/kg wet | 5.95 | | 78.5 | 60-140 | | |
| Dieldrin | 5.11 | | 0.991 | ug/kg wet | 5.95 | | 85.9 | 60-140 | | |
| Endosulfan I | 4.76 | | 0.991 | ug/kg wet | 5.95 | | 80.0 | 60-140 | | |
| Endosulfan II | 5.29 | | 0.991 | ug/kg wet | 5.95 | | 88.9 | 60-140 | | |
| Endosulfan sulfate | 5.15 | | 0.991 | ug/kg wet | 5.95 | | 86.5 | 60-140 | | |
| Endrin | 5.00 | | 0.991 | ug/kg wet | 5.95 | | 84.0 | 60-140 | | |
| Endrin aldehyde | 4.61 | | 0.991 | ug/kg wet | 5.95 | | 77.5 | 60-140 | | |
| Endrin ketone | 5.87 | | 0.991 | ug/kg wet | 5.95 | | 98.7 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 5.95 | | 0.991 | ug/kg wet | 5.95 | | 100 | 60-140 | | |
| gamma-Chlordane | 5.49 | | 0.991 | ug/kg wet | 5.95 | | 92.3 | 60-140 | | |
| Heptachlor | 5.24 | | 0.991 | ug/kg wet | 5.95 | | 88.1 | 60-140 | | |
| Heptachlor epoxide | 4.95 | | 0.991 | ug/kg wet | 5.95 | | 83.2 | 60-140 | | |
| Methoxychlor | 5.35 | | 0.991 | ug/kg wet | 5.95 | | 89.9 | 60-140 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0477 - SW-3570 (Continued)*** | | | | | | | | | | |
| **LCS (BGB0477-BS2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.45* | *ug/kg wet* | *5.95* | | *91.7* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *6.14* | *ug/kg wet* | *5.95* | | *103* | *60-140* | | |
| **TOX LCSD (BGB0477-BSD1)** | | | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | | | | | |
| Toxaphene (Chlorinated Camphene) | 53.7 | | 14.8 | ug/kg wet | 59.2 | | 90.6 | 60-140 | 15.0 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.42* | *ug/kg wet* | *5.92* | | *74.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.19* | *ug/kg wet* | *5.92* | | *87.6* | *60-140* | | |
| **LCS Dup (BGB0477-BSD2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | | | | | |
| 4,4'-DDD | 5.26 | | 0.983 | ug/kg wet | 5.90 | | 89.1 | 60-140 | 4.95 | 40 |
| 4,4'-DDE | 5.43 | | 0.983 | ug/kg wet | 5.90 | | 92.1 | 60-140 | 9.29 | 40 |
| 4,4'-DDT | 3.37 | J1 | 0.983 | ug/kg wet | 5.90 | | 57.1 | 60-140 | 6.19 | 40 |
| Aldrin | 4.94 | | 0.983 | ug/kg wet | 5.90 | | 83.8 | 60-140 | 2.97 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 5.86 | | 0.983 | ug/kg wet | 5.90 | | 99.3 | 60-140 | 10.7 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 5.27 | | 0.983 | ug/kg wet | 5.90 | | 89.3 | 60-140 | 6.67 | 40 |
| Chlordane (tech.) | 20.6 | | 0.983 | ug/kg wet | 23.6 | | 87.4 | 60-140 | 1.61 | 40 |
| cis-Chlordane (alpha-Chlordane) | 5.29 | | 0.983 | ug/kg wet | 5.90 | | 89.6 | 60-140 | 0.355 | 40 |
| delta-BHC | 4.25 | | 0.983 | ug/kg wet | 5.90 | | 72.1 | 60-140 | 9.35 | 40 |
| Dieldrin | 5.15 | | 0.983 | ug/kg wet | 5.90 | | 87.3 | 60-140 | 0.919 | 40 |
| Endosulfan I | 4.66 | | 0.983 | ug/kg wet | 5.90 | | 79.0 | 60-140 | 2.07 | 40 |
| Endosulfan II | 4.98 | | 0.983 | ug/kg wet | 5.90 | | 84.3 | 60-140 | 6.10 | 40 |
| Endosulfan sulfate | 4.93 | | 0.983 | ug/kg wet | 5.90 | | 83.5 | 60-140 | 4.40 | 40 |
| Endrin | 4.88 | | 0.983 | ug/kg wet | 5.90 | | 82.7 | 60-140 | 2.41 | 40 |
| Endrin aldehyde | 4.35 | | 0.983 | ug/kg wet | 5.90 | | 73.8 | 60-140 | 5.79 | 40 |
| Endrin ketone | 5.26 | | 0.983 | ug/kg wet | 5.90 | | 89.1 | 60-140 | 11.1 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 5.56 | | 0.983 | ug/kg wet | 5.90 | | 94.2 | 60-140 | 6.84 | 40 |
| gamma-Chlordane | 5.41 | | 0.983 | ug/kg wet | 5.90 | | 91.6 | 60-140 | 1.54 | 40 |
| Heptachlor | 5.10 | | 0.983 | ug/kg wet | 5.90 | | 86.4 | 60-140 | 2.74 | 40 |
| Heptachlor epoxide | 4.82 | | 0.983 | ug/kg wet | 5.90 | | 81.7 | 60-140 | 2.60 | 40 |
| Methoxychlor | 4.63 | | 0.983 | ug/kg wet | 5.90 | | 78.5 | 60-140 | 14.4 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *5.26* | *ug/kg wet* | *5.90* | | *89.1* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.65* | *ug/kg wet* | *5.90* | | *95.7* | *60-140* | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0477 - SW-3570 (Continued)*** | | | | | | | | | | |
| **TOX MRL (BGB0477-MRL1)** | | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | | | | | | |
| Toxaphene (Chlorinated Camphene) | <14.3 | J1, U | 14.3 | ug/kg wet | 14.3 | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | *S* | | *3.38* | *ug/kg wet* | *5.71* | | *59.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *4.97* | *ug/kg wet* | *5.71* | | *87.0* | *60-140* | | |
| **MRL Check (BGB0477-MRL2)** | | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | | | | | | |
| 4,4'-DDD | 0.370 | J | 0.981 | ug/kg wet | 0.393 | | 94.2 | | | |
| 4,4'-DDE | 0.405 | J | 0.981 | ug/kg wet | 0.393 | | 103 | | | |
| 4,4'-DDT | 0.261 | J | 0.981 | ug/kg wet | 0.393 | | 66.6 | | | |
| Aldrin | 0.337 | J | 0.981 | ug/kg wet | 0.393 | | 86.0 | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.437 | J | 0.981 | ug/kg wet | 0.393 | | 111 | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.438 | J | 0.981 | ug/kg wet | 0.393 | | 112 | | | |
| Chlordane (tech.) | 1.19 | | 0.981 | ug/kg wet | 1.57 | | 75.9 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.176 | J | 0.981 | ug/kg wet | 0.393 | | 44.9 | | | |
| delta-BHC | <0.981 | J1, U | 0.981 | ug/kg wet | 0.393 | | | | | |
| Dieldrin | 0.286 | J | 0.981 | ug/kg wet | 0.393 | | 72.9 | | | |
| Endosulfan I | 0.316 | J | 0.981 | ug/kg wet | 0.393 | | 80.6 | | | |
| Endosulfan II | 0.344 | J | 0.981 | ug/kg wet | 0.393 | | 87.6 | | | |
| Endosulfan sulfate | 0.321 | J | 0.981 | ug/kg wet | 0.393 | | 81.9 | | | |
| Endrin | 0.279 | J | 0.981 | ug/kg wet | 0.393 | | 71.1 | | | |
| Endrin aldehyde | 0.246 | J | 0.981 | ug/kg wet | 0.393 | | 62.6 | | | |
| Endrin ketone | 0.413 | J | 0.981 | ug/kg wet | 0.393 | | 105 | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.402 | J | 0.981 | ug/kg wet | 0.393 | | 103 | | | |
| gamma-Chlordane | 0.332 | J | 0.981 | ug/kg wet | 0.393 | | 84.6 | | | |
| Heptachlor | 0.356 | J | 0.981 | ug/kg wet | 0.393 | | 90.7 | | | |
| Heptachlor epoxide | 0.328 | J | 0.981 | ug/kg wet | 0.393 | | 83.6 | | | |
| Methoxychlor | 0.329 | J | 0.981 | ug/kg wet | 0.393 | | 83.9 | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *4.75* | *ug/kg wet* | *5.89* | | *80.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *5.61* | *ug/kg wet* | *5.89* | | *95.3* | *60-140* | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Quality Control
**(Continued)**

## Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0477 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB0477-MS1)** | **Source: 23A1459-66** | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | | | | | | |
| 4,4'-DDD | 6.78 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 86.1 | 60-140 | | |
| 4,4'-DDE | 6.51 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 82.6 | 60-140 | | |
| 4,4'-DDT | 4.23 | J1 | 1.31 | ug/kg dry | 7.88 | <1.31 | 53.7 | 60-140 | | |
| Aldrin | 6.21 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 78.8 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 7.62 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 96.7 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 6.85 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 86.9 | 60-140 | | |
| Chlordane (tech.) | 26.2 | | 1.31 | ug/kg dry | 31.5 | <1.31 | 83.0 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 6.59 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 83.6 | 60-140 | | |
| delta-BHC | 5.41 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 68.6 | 60-140 | | |
| Dieldrin | 6.57 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 83.4 | 60-140 | | |
| Endosulfan I | 6.00 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 76.2 | 60-140 | | |
| Endosulfan II | 6.63 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 84.1 | 60-140 | | |
| Endosulfan sulfate | 6.36 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 80.8 | 60-140 | | |
| Endrin | 6.28 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 79.8 | 60-140 | | |
| Endrin aldehyde | 5.35 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 67.9 | 60-140 | | |
| Endrin ketone | 6.95 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 88.2 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 7.27 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 92.3 | 60-140 | | |
| gamma-Chlordane | 6.92 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 87.8 | 60-140 | | |
| Heptachlor | 6.56 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 83.3 | 60-140 | | |
| Heptachlor epoxide | 6.10 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 77.5 | 60-140 | | |
| Methoxychlor | 6.00 | | 1.31 | ug/kg dry | 7.88 | <1.31 | 76.2 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *6.13* | *ug/kg dry* | *7.88* | | *77.8* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *7.29* | *ug/kg dry* | *7.88* | | *92.6* | *60-140* | | |
| **Matrix Spike Dup (BGB0477-MSD1)** | **Source: 23A1459-66** | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | | | | | | |
| 4,4'-DDD | 6.39 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 84.7 | 60-140 | 6.00 | 40 |
| 4,4'-DDE | 6.49 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 86.1 | 60-140 | 0.188 | 40 |
| 4,4'-DDT | 4.46 | J1 | 1.26 | ug/kg dry | 7.54 | <1.26 | 59.1 | 60-140 | 5.23 | 40 |
| Aldrin | 5.93 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 78.6 | 60-140 | 4.59 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 7.36 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 97.6 | 60-140 | 3.43 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 6.60 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 87.6 | 60-140 | 3.63 | 40 |
| Chlordane (tech.) | 25.3 | | 1.26 | ug/kg dry | 30.2 | <1.26 | 84.0 | 60-140 | 3.17 | 40 |
| cis-Chlordane (alpha-Chlordane) | 6.38 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 84.6 | 60-140 | 3.23 | 40 |
| delta-BHC | 5.31 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 70.4 | 60-140 | 1.85 | 40 |
| Dieldrin | 6.43 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 85.2 | 60-140 | 2.23 | 40 |
| Endosulfan I | 5.75 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 76.3 | 60-140 | 4.23 | 40 |
| Endosulfan II | 6.07 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 80.5 | 60-140 | 8.73 | 40 |
| Endosulfan sulfate | 6.22 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 82.4 | 60-140 | 2.35 | 40 |
| Endrin | 6.13 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 81.2 | 60-140 | 2.53 | 40 |
| Endrin aldehyde | 5.51 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 73.1 | 60-140 | 3.05 | 40 |
| Endrin ketone | 6.70 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 88.9 | 60-140 | 3.56 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0477 - SW-3570 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BGB0477-MSD1)** | **Source: 23A1459-66** | | | Prepared: 2/3/2023 Analyzed: 2/10/2023 | | | | | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 6.97 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 92.5 | 60-140 | 4.19 | 40 |
| gamma-Chlordane | 6.71 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 89.0 | 60-140 | 2.97 | 40 |
| Heptachlor | 6.38 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 84.7 | 60-140 | 2.74 | 40 |
| Heptachlor epoxide | 5.87 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 77.9 | 60-140 | 3.82 | 40 |
| Methoxychlor | 5.94 | | 1.26 | ug/kg dry | 7.54 | <1.26 | 78.7 | 60-140 | 1.04 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *6.48* | *ug/kg dry* | *7.54* | | *85.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *7.15* | *ug/kg dry* | *7.54* | | *94.9* | *60-140* | | |
| ***Batch: BGB1177 - SW-3570*** | | | | | | | | | | |
| **Blank (BGB1177-BLK1)** | | | | Prepared: 2/8/2023 Analyzed: 2/25/2023 | | | | | | |
| PCBs, Total | <1.98 | U | 1.98 | ug/kg wet | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.493* | *ug/kg wet* | *0.593* | | *83.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.609* | *ug/kg wet* | *0.593* | | *103* | *60-140* | | |
| **LCS (BGB1177-BS1)** | | | | Prepared: 2/8/2023 Analyzed: 2/25/2023 | | | | | | |
| Aroclor-1016 (PCB-1016) | 4.70 | | 1.96 | ug/kg wet | 5.88 | | 80.0 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 5.37 | | 1.96 | ug/kg wet | 5.88 | | 91.4 | 60-140 | | |
| PCBs, Total | 5.23 | | 1.96 | ug/kg wet | 5.88 | | 89.0 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.592* | *ug/kg wet* | *0.588* | | *101* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.611* | *ug/kg wet* | *0.588* | | *104* | *60-140* | | |
| **LCS Dup (BGB1177-BSD1)** | | | | Prepared: 2/8/2023 Analyzed: 2/25/2023 | | | | | | |
| Aroclor-1016 (PCB-1016) | 3.63 | | 1.96 | ug/kg wet | 5.87 | | 62.0 | 60-140 | 25.6 | 40 |
| Aroclor-1260 (PCB-1260) | 5.70 | | 1.96 | ug/kg wet | 5.87 | | 97.2 | 60-140 | 5.97 | 40 |
| PCBs, Total | 5.27 | | 1.96 | ug/kg wet | 5.87 | | 89.8 | 60-140 | 0.661 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.440* | *ug/kg wet* | *0.587* | | *75.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.664* | *ug/kg wet* | *0.587* | | *113* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB1177 - SW-3570 (Continued)*** | | | | | | | | | | |
| **MRL Check (BGB1177-MRL1)** | | | | | Prepared: 2/8/2023 Analyzed: 2/25/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 0.476 | J | 1.98 | ug/kg wet | 1.19 | | 40.1 | | | |
| Aroclor-1260 (PCB-1260) | 1.56 | J | 1.98 | ug/kg wet | 1.19 | | 132 | | | |
| PCBs, Total | 1.34 | J | 1.98 | ug/kg wet | 1.19 | | 113 | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.409* | *ug/kg wet* | *0.593* | | *69.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.637* | *ug/kg wet* | *0.593* | | *107* | *60-140* | | |
| **Matrix Spike (BGB1177-MS1)** | | **Source: 23A1459-46** | | | Prepared: 2/8/2023 Analyzed: 2/25/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 6.45 | | 2.79 | ug/kg dry | 8.37 | <2.79 | 77.1 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 10.3 | | 2.79 | ug/kg dry | 8.37 | <2.79 | 123 | 60-140 | | |
| PCBs, Total | 9.45 | | 2.79 | ug/kg dry | 8.37 | <2.79 | 113 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *1.07* | *ug/kg dry* | *0.837* | | *127* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *1.04* | *ug/kg dry* | *0.837* | | *124* | *60-140* | | |
| **Matrix Spike Dup (BGB1177-MSD1)** | | **Source: 23A1459-46** | | | Prepared: 2/8/2023 Analyzed: 2/25/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 3.83 | J1 | 2.79 | ug/kg dry | 8.37 | <2.79 | 45.7 | 60-140 | 51.1 | 40 |
| Aroclor-1260 (PCB-1260) | 7.70 | | 2.79 | ug/kg dry | 8.37 | <2.79 | 92.0 | 60-140 | 28.6 | 40 |
| PCBs, Total | 6.89 | | 2.79 | ug/kg dry | 8.37 | <2.79 | 82.3 | 60-140 | 31.4 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.666* | *ug/kg dry* | *0.837* | | *79.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.662* | *ug/kg dry* | *0.837* | | *79.1* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Metals, Total

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3233 - EPA 200.8 Solid*** | | | | | | | | | | |
| **Blank (BGA3233-BLK1)** | | | | Prepared: 1/25/2023 Analyzed: 1/31/2023 | | | | | | |
| Antimony | <0.0996 | U | 0.0996 | mg/kg wet | | | | | | |
| Arsenic | <0.0497 | U | 0.0497 | mg/kg wet | | | | | | |
| Cadmium | <0.0996 | U | 0.0996 | mg/kg wet | | | | | | |
| Chromium | 0.0174 | J | 0.298 | mg/kg wet | | | | | | |
| Lead | <0.0497 | U | 0.0497 | mg/kg wet | | | | | | |
| Nickel | <0.0996 | U | 0.0996 | mg/kg wet | | | | | | |
| Silver | <0.0497 | U | 0.0497 | mg/kg wet | | | | | | |
| Thallium | <0.0497 | U | 0.0497 | mg/kg wet | | | | | | |
| **Blank (BGA3233-BLK2)** | | | | Prepared: 1/25/2023 Analyzed: 2/1/2023 | | | | | | |
| Beryllium | <0.0199 | U | 0.0199 | mg/kg wet | | | | | | |
| Selenium | <0.199 | U | 0.199 | mg/kg wet | | | | | | |
| Zinc | <0.199 | U | 0.199 | mg/kg wet | | | | | | |
| **Blank (BGA3233-BLK3)** | | | | Prepared: 1/25/2023 Analyzed: 2/1/2023 | | | | | | |
| Copper | 0.0575 | J | 0.0996 | mg/kg wet | | | | | | |
| **LCS (BGA3233-BS1)** | | | | Prepared: 1/25/2023 Analyzed: 1/31/2023 | | | | | | |
| Antimony | 10.5 | | 0.0982 | mg/kg wet | 9.80 | | 107 | 85-115 | | |
| Arsenic | 5.28 | | 0.0490 | mg/kg wet | 4.90 | | 108 | 85-115 | | |
| Cadmium | 10.4 | | 0.0982 | mg/kg wet | 9.80 | | 106 | 85-115 | | |
| Chromium | 31.8 | | 0.294 | mg/kg wet | 29.4 | | 108 | 85-115 | | |
| Lead | 5.44 | | 0.0490 | mg/kg wet | 4.90 | | 111 | 85-115 | | |
| Nickel | 10.4 | | 0.0982 | mg/kg wet | 9.80 | | 107 | 85-115 | | |
| Silver | 5.14 | | 0.0490 | mg/kg wet | 4.90 | | 105 | 85-115 | | |
| Thallium | 5.32 | | 0.0490 | mg/kg wet | 4.90 | | 109 | 85-115 | | |
| **LCS (BGA3233-BS2)** | | | | Prepared: 1/25/2023 Analyzed: 2/1/2023 | | | | | | |
| Beryllium | 2.04 | | 0.0196 | mg/kg wet | 1.96 | | 104 | 85-115 | | |
| Selenium | 20.4 | | 0.196 | mg/kg wet | 19.6 | | 104 | 85-115 | | |
| Zinc | 21.2 | | 0.196 | mg/kg wet | 19.6 | | 108 | 85-115 | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3233 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **LCS (BGA3233-BS3)** | | | | | Prepared: 1/25/2023 Analyzed: 2/1/2023 | | | | | |
| Copper | 11.3 | | 0.0982 | mg/kg wet | 9.80 | | 115 | 85-115 | | |
| **Duplicate (BGA3233-DUP1)** | | | **Source: 23A1459-43** | | Prepared: 1/25/2023 Analyzed: 1/31/2023 | | | | | |
| Antimony | <0.0485 | U | 0.0485 | mg/kg dry | | <0.0485 | | | | 20 |
| Arsenic | 0.271 | | 0.0242 | mg/kg dry | | 0.295 | | | 8.54 | 20 |
| Cadmium | 0.00344 | J | 0.0485 | mg/kg dry | | 0.00315 | | | 8.82 | 20 |
| Chromium | 1.84 | J1 | 0.145 | mg/kg dry | | 2.32 | | | 22.9 | 20 |
| Lead | 2.26 | | 0.0242 | mg/kg dry | | 2.27 | | | 0.399 | 20 |
| Nickel | 1.36 | | 0.0485 | mg/kg dry | | 1.64 | | | 19.1 | 20 |
| Silver | <0.0242 | U | 0.0242 | mg/kg dry | | <0.0242 | | | | 20 |
| Thallium | 0.0195 | J | 0.0242 | mg/kg dry | | 0.0223 | | | 13.4 | 20 |
| **Duplicate (BGA3233-DUP2)** | | | **Source: 23A1459-43** | | Prepared: 1/25/2023 Analyzed: 2/1/2023 | | | | | |
| Beryllium | 0.213 | | 0.00967 | mg/kg dry | | 0.217 | | | 1.60 | 20 |
| Selenium | 0.355 | | 0.0967 | mg/kg dry | | 0.377 | | | 5.94 | 20 |
| Zinc | 2.85 | | 0.0967 | mg/kg dry | | 3.41 | | | 18.0 | 20 |
| **Duplicate (BGA3233-DUP3)** | | | **Source: 23A1459-43** | | Prepared: 1/25/2023 Analyzed: 2/1/2023 | | | | | |
| Copper | 0.852 | | 0.0485 | mg/kg dry | | 0.962 | | | 12.1 | 20 |
| **MDL Check (BGA3233-MRL1)** | | | | | Prepared: 1/25/2023 Analyzed: 1/31/2023 | | | | | |
| Antimony | 0.0512 | J | 0.0996 | mg/kg wet | 0.0497 | | 103 | | | |
| Arsenic | 0.00736 | J | 0.0497 | mg/kg wet | 0.00497 | | 148 | | | |
| Cadmium | 0.00537 | J | 0.0996 | mg/kg wet | 0.00497 | | 108 | | | |
| Chromium | 0.0364 | J | 0.298 | mg/kg wet | 0.0149 | | 244 | | | |
| Lead | 0.00616 | J | 0.0497 | mg/kg wet | 0.00497 | | 124 | | | |
| Nickel | 0.0145 | J | 0.0996 | mg/kg wet | 0.00497 | | 292 | | | |
| Silver | 0.00298 | J | 0.0497 | mg/kg wet | 0.00249 | | 120 | | | |
| Thallium | 0.00328 | J | 0.0497 | mg/kg wet | 0.00249 | | 132 | | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3233 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **MDL Check (BGA3233-MRL2)** | | | | | Prepared: 1/25/2023 Analyzed: 2/1/2023 | | | | | |
| Beryllium | 0.00258 | J | 0.0199 | mg/kg wet | 0.000994 | | 260 | | | |
| Selenium | 0.0960 | J | 0.199 | mg/kg wet | 0.0994 | | 96.6 | | | |
| Zinc | 0.170 | J | 0.199 | mg/kg wet | 0.0994 | | 171 | | | |
| **MDL Check (BGA3233-MRL3)** | | | | | Prepared: 1/25/2023 Analyzed: 2/1/2023 | | | | | |
| Copper | 0.0831 | J | 0.0996 | mg/kg wet | 0.00994 | | 836 | | | |
| **Matrix Spike (BGA3233-MS1)** | | **Source: 23A1459-43** | | | Prepared: 1/25/2023 Analyzed: 1/31/2023 | | | | | |
| Antimony | 1.05 | J1 | 0.0489 | mg/kg dry | 4.88 | <0.0489 | 21.5 | 75-125 | | |
| Arsenic | 2.43 | | 0.0244 | mg/kg dry | 2.44 | 0.295 | 87.5 | 75-125 | | |
| Cadmium | 4.85 | | 0.0489 | mg/kg dry | 4.88 | 0.00315 | 99.4 | 75-125 | | |
| Chromium | 16.8 | | 0.146 | mg/kg dry | 14.6 | 2.32 | 99.1 | 75-125 | | |
| Lead | 4.85 | | 0.0244 | mg/kg dry | 2.44 | 2.27 | 106 | 75-125 | | |
| Nickel | 6.26 | | 0.0489 | mg/kg dry | 4.88 | 1.64 | 94.7 | 75-125 | | |
| Silver | 2.31 | | 0.0244 | mg/kg dry | 2.44 | <0.0244 | 94.8 | 75-125 | | |
| Thallium | 2.38 | | 0.0244 | mg/kg dry | 2.44 | 0.0223 | 96.6 | 75-125 | | |
| **Matrix Spike (BGA3233-MS2)** | | **Source: 23A1459-43** | | | Prepared: 1/25/2023 Analyzed: 2/1/2023 | | | | | |
| Beryllium | 1.25 | | 0.00974 | mg/kg dry | 0.975 | 0.217 | 106 | 75-125 | | |
| Selenium | 9.01 | | 0.0974 | mg/kg dry | 9.75 | 0.377 | 88.5 | 75-125 | | |
| Zinc | 13.1 | | 0.0974 | mg/kg dry | 9.75 | 3.41 | 99.3 | 75-125 | | |
| **Matrix Spike (BGA3233-MS3)** | | **Source: 23A1459-43** | | | Prepared: 1/25/2023 Analyzed: 2/1/2023 | | | | | |
| Copper | 5.86 | | 0.0489 | mg/kg dry | 4.88 | 0.962 | 100 | 75-125 | | |
| ***Batch: BGA3813 - EPA 245.1*** | | | | | | | | | | |
| **Blank (BGA3813-BLK1)** | | | | | Prepared & Analyzed: 1/30/2023 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3813 - EPA 245.1 (Continued)*** | | | | | | | | | | |
| **LCS (BGA3813-BS1)** | | | | | Prepared & Analyzed: 1/30/2023 | | | | | |
| Mercury | 5.05 | | 0.200 | ug/L | 5.00 | | 101 | 85-115 | | |
| **Duplicate (BGA3813-DUP1)** | | **Source: 23A1459-02** | | | Prepared & Analyzed: 1/30/2023 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **MDL Check (BGA3813-MRL1)** | | | | | Prepared & Analyzed: 1/30/2023 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | 0.100 | | | | | |
| **Matrix Spike (BGA3813-MS1)** | | **Source: 23A1459-02** | | | Prepared & Analyzed: 1/30/2023 | | | | | |
| Mercury | 5.19 | | 0.200 | ug/L | 5.00 | <0.200 | 104 | 70-130 | | |
| ***Batch: BGA3845 - Cr VI*** | | | | | | | | | | |
| **Blank (BGA3845-BLK1)** | | | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Chromium (VI) | <5.00 | U | 5.00 | mg/kg wet | | | | | | |
| **LCS (BGA3845-BS1)** | | | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Chromium (VI) | 9.40 | | 5.00 | mg/kg wet | 9.88 | | 95.1 | 80-120 | | |
| **Duplicate (BGA3845-DUP1)** | | **Source: 23A1459-36** | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Chromium (VI) | 3.02 | J1, J | 5.00 | mg/kg dry | | 1.78 | | | 51.5 | 20 |
| **Duplicate (BGA3845-DUP2)** | | **Source: 23A1459-60** | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Chromium (VI) | 0.238 | J | 5.00 | mg/kg dry | | 0.165 | | | 36.3 | 20 |
| **MRL Check (BGA3845-MRL1)** | | | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Chromium (VI) | 1.75 | J | 5.00 | mg/kg wet | 2.00 | | 87.7 | 50-150 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3845 - Cr VI (Continued)*** | | | | | | | | | | |
| **SMS (BGA3845-MS1)** | | **Source: 23A1459-60** | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Chromium (VI) | 11.3 | | 5.00 | mg/kg dry | 12.3 | 0.165 | 90.9 | 75-125 | | |
| **IMS (BGA3845-MS2)** | | **Source: 23A1459-60** | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Chromium (VI) | 8.67 | J1 | 5.00 | mg/kg dry | 1210 | 0.165 | 0.704 | 75-125 | | |
| **PMS (BGA3845-PS1)** | | **Source: 23A1459-60** | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Chromium (VI) | 272 | | | ug/L | 250 | 3.42 | 107 | 85-115 | | |
| ***Batch: BGB0014 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BGB0014-MRL1)** | | | | | Prepared & Analyzed: 2/1/2023 | | | | | |
| Mercury | <0.0190 | U | 0.0190 | mg/kg wet | | | | | | |
| **Matrix Spike (BGB0014-MS1)** | | **Source: 23A1459-43** | | | Prepared & Analyzed: 2/1/2023 | | | | | |
| Mercury | 0.283 | | 0.0200 | mg/kg dry | 0.250 | 0.0141 | 108 | 80-120 | | |
| **Matrix Spike (BGB0014-MS2)** | | **Source: 23A4064-01** | | | Prepared & Analyzed: 2/1/2023 | | | | | |
| Mercury | 0.457 | | 0.0295 | mg/kg dry | 0.369 | 0.158 | 80.9 | 80-120 | | |
| **Matrix Spike Dup (BGB0014-MSD1)** | | **Source: 23A1459-43** | | | Prepared & Analyzed: 2/1/2023 | | | | | |
| Mercury | 0.283 | | 0.0199 | mg/kg dry | 0.249 | 0.0141 | 108 | 80-120 | 0.0481 | 20 |
| **Matrix Spike Dup (BGB0014-MSD2)** | | **Source: 23A4064-01** | | | Prepared & Analyzed: 2/1/2023 | | | | | |
| Mercury | 0.424 | J1 | 0.0295 | mg/kg dry | 0.369 | 0.158 | 72.0 | 80-120 | 7.43 | 20 |
| ***Batch: BGB0820 - EPA 200.8 Solid*** | | | | | | | | | | |
| **Blank (BGB0820-BLK1)** | | | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Antimony | <0.0960 | U | 0.0960 | mg/kg wet | | | | | | |
| Cadmium | <0.0960 | U | 0.0960 | mg/kg wet | | | | | | |
| Chromium | <0.287 | U | 0.287 | mg/kg wet | | | | | | |
| Lead | <0.0479 | U | 0.0479 | mg/kg wet | | | | | | |
| Nickel | <0.0960 | U | 0.0960 | mg/kg wet | | | | | | |
| Silver | <0.0479 | U | 0.0479 | mg/kg wet | | | | | | |
| Thallium | <0.0479 | U | 0.0479 | mg/kg wet | | | | | | |
| Zinc | <0.191 | U | 0.191 | mg/kg wet | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0820 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Blank (BGB0820-BLK3)** | | | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Copper | 0.0228 | J | 0.0960 | mg/kg wet | | | | | | |
| Selenium | <0.191 | U | 0.191 | mg/kg wet | | | | | | |
| **Blank (BGB0820-BLK4)** | | | | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Arsenic | <0.0479 | U | 0.0479 | mg/kg wet | | | | | | |
| **Blank (BGB0820-BLK6)** | | | | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Beryllium | <0.0191 | U | 0.0191 | mg/kg wet | | | | | | |
| **LCS (BGB0820-BS1)** | | | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Antimony | 9.98 | | 0.0944 | mg/kg wet | 9.42 | | 106 | 85-115 | | |
| Cadmium | 9.53 | | 0.0944 | mg/kg wet | 9.42 | | 101 | 85-115 | | |
| Chromium | 29.7 | | 0.282 | mg/kg wet | 28.2 | | 105 | 85-115 | | |
| Lead | 5.00 | | 0.0471 | mg/kg wet | 4.71 | | 106 | 85-115 | | |
| Nickel | 9.58 | | 0.0944 | mg/kg wet | 9.42 | | 102 | 85-115 | | |
| Silver | 4.57 | | 0.0471 | mg/kg wet | 4.71 | | 97.0 | 85-115 | | |
| Thallium | 5.05 | | 0.0471 | mg/kg wet | 4.71 | | 107 | 85-115 | | |
| Zinc | 19.4 | | 0.188 | mg/kg wet | 18.8 | | 103 | 85-115 | | |
| **LCS (BGB0820-BS3)** | | | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Copper | 9.61 | | 0.0944 | mg/kg wet | 9.42 | | 102 | 85-115 | | |
| Selenium | 19.8 | | 0.188 | mg/kg wet | 18.8 | | 105 | 85-115 | | |
| **LCS (BGB0820-BS4)** | | | | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Arsenic | 5.40 | | 0.0471 | mg/kg wet | 4.71 | | 115 | 85-115 | | |
| **LCS (BGB0820-BS6)** | | | | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Beryllium | 1.94 | | 0.0188 | mg/kg wet | 1.88 | | 103 | 85-115 | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0820 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Duplicate (BGB0820-DUP1)** | | **Source: 23A1459-46** | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Antimony | <0.0577 | U | 0.0577 | mg/kg dry | | <0.0577 | | | | 20 |
| Cadmium | 0.0340 | J | 0.0577 | mg/kg dry | | 0.0336 | | | 1.08 | 20 |
| Chromium | 4.19 | | 0.173 | mg/kg dry | | 4.16 | | | 0.744 | 20 |
| Lead | 3.02 | | 0.0288 | mg/kg dry | | 2.94 | | | 2.54 | 20 |
| Nickel | 4.05 | J1 | 0.0577 | mg/kg dry | | 5.00 | | | 21.0 | 20 |
| Silver | 0.00834 | J | 0.0288 | mg/kg dry | | 0.00800 | | | 4.25 | 20 |
| Thallium | 0.0406 | | 0.0288 | mg/kg dry | | 0.0397 | | | 2.31 | 20 |
| Zinc | 11.0 | | 0.115 | mg/kg dry | | 10.2 | | | 8.18 | 20 |
| **Duplicate (BGB0820-DUP2)** | | **Source: 23A3576-36** | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Antimony | 0.0349 | J | 0.0657 | mg/kg dry | | <0.0657 | | | 200 | 20 |
| Cadmium | 0.215 | J1 | 0.0657 | mg/kg dry | | 0.125 | | | 52.7 | 20 |
| Lead | 10.4 | | 0.164 | mg/kg dry | | 9.78 | | | 5.73 | 20 |
| Nickel | 4.49 | | 0.0657 | mg/kg dry | | 4.61 | | | 2.73 | 20 |
| Silver | 0.0466 | | 0.0328 | mg/kg dry | | 0.0413 | | | 12.1 | 20 |
| Thallium | 0.0543 | | 0.0328 | mg/kg dry | | 0.0506 | | | 7.13 | 20 |
| Zinc | 64.6 | J1 | 0.656 | mg/kg dry | | 49.2 | | | 27.2 | 20 |
| **Duplicate (BGB0820-DUP5)** | | **Source: 23A1459-46** | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Copper | 3.12 | J1 | 0.0577 | mg/kg dry | | 4.44 | | | 35.1 | 20 |
| Selenium | 0.627 | | 0.115 | mg/kg dry | | 0.626 | | | 0.0627 | 20 |
| **Duplicate (BGB0820-DUP6)** | | **Source: 23A3576-36** | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Chromium | 5.33 | | 0.197 | mg/kg dry | | 5.52 | | | 3.55 | 20 |
| Copper | 10.0 | | 0.0657 | mg/kg dry | | 9.88 | | | 1.24 | 20 |
| Selenium | 1.10 | | 0.131 | mg/kg dry | | 1.13 | | | 3.01 | 20 |
| **Duplicate (BGB0820-DUP7)** | | **Source: 23A1459-46** | | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Arsenic | 1.73 | | 0.0288 | mg/kg dry | | 1.71 | | | 1.14 | 20 |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0820 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Duplicate (BGB0820-DUP8)** | | | **Source: 23A3576-36** | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Arsenic | 2.61 | | 0.164 | mg/kg dry | | 2.49 | | | 4.69 | 20 |
| **Duplicate (BGB0820-DUPB)** | | | **Source: 23A1459-46** | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Beryllium | 0.222 | | 0.0575 | mg/kg dry | | 0.224 | | | 0.906 | 20 |
| **Duplicate (BGB0820-DUPC)** | | | **Source: 23A3576-36** | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Beryllium | 0.462 | | 0.0656 | mg/kg dry | | 0.484 | | | 4.73 | 20 |
| **MDL Check (BGB0820-MRL1)** | | | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Antimony | 0.0474 | J | 0.0947 | mg/kg wet | 0.0473 | | 100 | | | |
| Cadmium | 0.00435 | J | 0.0947 | mg/kg wet | 0.00473 | | 92.0 | | | |
| Chromium | 0.0175 | J | 0.284 | mg/kg wet | 0.0142 | | 123 | | | |
| Lead | 0.00567 | J | 0.0472 | mg/kg wet | 0.00473 | | 120 | | | |
| Nickel | 0.0173 | J | 0.0947 | mg/kg wet | 0.00473 | | 366 | | | |
| Silver | 0.00331 | J | 0.0472 | mg/kg wet | 0.00236 | | 140 | | | |
| Thallium | 0.00246 | J | 0.0472 | mg/kg wet | 0.00236 | | 104 | | | |
| Zinc | 0.145 | J | 0.189 | mg/kg wet | 0.0945 | | 153 | | | |
| **MDL Check (BGB0820-MRL3)** | | | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Copper | 0.0368 | J | 0.0947 | mg/kg wet | 0.00945 | | 389 | | | |
| Selenium | 0.0942 | J | 0.189 | mg/kg wet | 0.0945 | | 99.7 | | | |
| **MDL Check (BGB0820-MRL4)** | | | | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Arsenic | 0.00350 | J | 0.0472 | mg/kg wet | 0.00473 | | 74.0 | | | |
| **MDL Check (BGB0820-MRL6)** | | | | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Beryllium | 0.00104 | J | 0.0189 | mg/kg wet | 0.000945 | | 110 | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0820 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB0820-MS1)** | | **Source: 23A1459-46** | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Antimony | 2.78 | J1 | 0.286 | mg/kg dry | 5.71 | <0.286 | 48.6 | 75-125 | | |
| Cadmium | 5.47 | | 0.286 | mg/kg dry | 5.71 | 0.0336 | 95.2 | 75-125 | | |
| Chromium | 18.7 | | 0.171 | mg/kg dry | 17.1 | 4.16 | 85.0 | 75-125 | | |
| Lead | 5.52 | | 0.0286 | mg/kg dry | 2.86 | 2.94 | 90.2 | 75-125 | | |
| Nickel | 8.75 | J1 | 0.0572 | mg/kg dry | 5.71 | 5.00 | 65.6 | 75-125 | | |
| Silver | 2.64 | | 0.0286 | mg/kg dry | 2.86 | 0.00800 | 92.0 | 75-125 | | |
| Thallium | 2.51 | | 0.0286 | mg/kg dry | 2.86 | 0.0397 | 86.6 | 75-125 | | |
| Zinc | 20.4 | | 0.114 | mg/kg dry | 11.4 | 10.2 | 89.8 | 75-125 | | |
| **Matrix Spike (BGB0820-MS2)** | | **Source: 23A3576-36** | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Antimony | 1.56 | J1 | 0.0642 | mg/kg dry | 6.41 | <0.0642 | 24.3 | 75-125 | | |
| Cadmium | 6.90 | | 0.0642 | mg/kg dry | 6.41 | 0.125 | 106 | 75-125 | | |
| Lead | 13.0 | | 0.160 | mg/kg dry | 3.20 | 9.78 | 99.6 | 75-125 | | |
| Nickel | 10.2 | | 0.0642 | mg/kg dry | 6.41 | 4.61 | 87.1 | 75-125 | | |
| Silver | 3.41 | | 0.0320 | mg/kg dry | 3.20 | 0.0413 | 105 | 75-125 | | |
| Thallium | 2.93 | | 0.0320 | mg/kg dry | 3.20 | 0.0506 | 89.8 | 75-125 | | |
| Zinc | 64.6 | | 0.640 | mg/kg dry | 12.8 | 49.2 | 121 | 75-125 | | |
| **Matrix Spike (BGB0820-MS5)** | | **Source: 23A1459-46** | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Copper | 7.42 | J1 | 0.0572 | mg/kg dry | 5.71 | 4.44 | 52.2 | 75-125 | | |
| Selenium | 9.13 | J1 | 0.114 | mg/kg dry | 11.4 | 0.626 | 74.5 | 75-125 | | |
| **Matrix Spike (BGB0820-MS6)** | | **Source: 23A3576-36** | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Chromium | 24.8 | | 0.961 | mg/kg dry | 19.2 | 5.52 | 100 | 75-125 | | |
| Copper | 17.6 | | 0.321 | mg/kg dry | 6.41 | 9.88 | 121 | 75-125 | | |
| Selenium | 10.5 | J1 | 0.640 | mg/kg dry | 12.8 | 1.13 | 72.8 | 75-125 | | |
| **Matrix Spike (BGB0820-MS7)** | | **Source: 23A1459-46** | | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Arsenic | 4.71 | | 0.0286 | mg/kg dry | 2.86 | 1.71 | 105 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0820 - EPA 200.8 Solid (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB0820-MS8)** | | **Source: 23A3576-36** | | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Arsenic | 5.57 | | 0.0320 | mg/kg dry | 3.20 | 2.49 | 96.2 | 75-125 | | |
| **Matrix Spike (BGB0820-MSB)** | | **Source: 23A1459-46** | | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Beryllium | 1.24 | | 0.0571 | mg/kg dry | 1.14 | 0.224 | 89.0 | 75-125 | | |
| **Matrix Spike (BGB0820-MSC)** | | **Source: 23A3576-36** | | | Prepared: 2/7/2023 Analyzed: 2/27/2023 | | | | | |
| Beryllium | 1.89 | | 0.0640 | mg/kg dry | 1.28 | 0.484 | 110 | 75-125 | | |
| ***Batch: BGB1025 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BGB1025-MRL1)** | | | | | Prepared & Analyzed: 2/8/2023 | | | | | |
| Mercury | <0.0191 | U | 0.0191 | mg/kg wet | 0.00955 | | | | | |
| **Matrix Spike (BGB1025-MS1)** | | **Source: 23A4081-01** | | | Prepared & Analyzed: 2/8/2023 | | | | | |
| Mercury | 0.768 | | 0.0481 | mg/kg dry | 0.601 | 0.255 | 85.4 | 80-120 | | |
| **Matrix Spike (BGB1025-MS2)** | | **Source: 23B0969-01** | | | Prepared & Analyzed: 2/8/2023 | | | | | |
| Mercury | 0.422 | J1 | 0.0312 | mg/kg dry | 0.389 | 0.203 | 56.3 | 80-120 | | |
| **Matrix Spike Dup (BGB1025-MSD1)** | | **Source: 23A4081-01** | | | Prepared & Analyzed: 2/8/2023 | | | | | |
| Mercury | 0.724 | J1 | 0.0480 | mg/kg dry | 0.600 | 0.255 | 78.2 | 80-120 | 5.95 | 20 |
| **Matrix Spike Dup (BGB1025-MSD2)** | | **Source: 23B0969-01** | | | Prepared & Analyzed: 2/8/2023 | | | | | |
| Mercury | 0.417 | J1 | 0.0312 | mg/kg dry | 0.389 | 0.203 | 55.1 | 80-120 | 1.04 | 20 |
| ***Batch: BGB1605 - EPA 200.8*** | | | | | | | | | | |
| **Blank (BGB1605-BLK1)** | | | | | Prepared: 2/10/2023 Analyzed: 2/22/2023 | | | | | |
| Selenium | <2.00 | U | 2.00 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB1605 - EPA 200.8 (Continued)*** | | | | | | | | | | |
| **LCS (BGB1605-BS1)** | | | | | Prepared: 2/10/2023 Analyzed: 2/22/2023 | | | | | |
| Selenium | 213 | | 2.00 | ug/L | 200 | | 107 | 85-115 | | |
| **Duplicate (BGB1605-DUP1)** | | **Source: 23A1459-05** | | | Prepared: 2/10/2023 Analyzed: 2/22/2023 | | | | | |
| Selenium | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| **Duplicate (BGB1605-DUP2)** | | **Source: 23A3576-02** | | | Prepared: 2/10/2023 Analyzed: 2/24/2023 | | | | | |
| Selenium | 0.737 | J | 2.00 | ug/L | | 0.668 | | | 9.82 | 20 |
| **BGB0310-LBK1 (BGB1605-LBK1)** | | | | | Prepared: 2/10/2023 Analyzed: 2/24/2023 | | | | | |
| Selenium | <2.00 | U | 2.00 | ug/L | | | | | | |
| **BGA3905-LBK1 (BGB1605-LBK2)** | | | | | Prepared: 2/10/2023 Analyzed: 2/24/2023 | | | | | |
| Selenium | <2.00 | U | 2.00 | ug/L | | | | | | |
| **MDL Check (BGB1605-MRL1)** | | | | | Prepared: 2/10/2023 Analyzed: 2/22/2023 | | | | | |
| Selenium | 0.286 | J | 2.00 | ug/L | | | | | | |
| **Matrix Spike (BGB1605-MS1)** | | **Source: 23A1459-05** | | | Prepared: 2/10/2023 Analyzed: 2/22/2023 | | | | | |
| Selenium | 210 | | 10.0 | ug/L | 200 | <10.0 | 105 | 75-125 | | |
| **Matrix Spike (BGB1605-MS2)** | | **Source: 23A3576-02** | | | Prepared: 2/10/2023 Analyzed: 2/24/2023 | | | | | |
| Selenium | 222 | | 2.00 | ug/L | 200 | 0.668 | 111 | 75-125 | | |
| ***Batch: BGB1927 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BGB1927-MRL1)** | | | | | Prepared: 2/14/2023 Analyzed: 2/15/2023 | | | | | |
| Mercury | 0.0136 | J | 0.0183 | mg/kg wet | 0.00916 | | 149 | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB1927 - SW-7471 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB1927-MS1)** | | **Source: 23A4079-15** | | | Prepared: 2/14/2023 Analyzed: 2/15/2023 | | | | | |
| Mercury | 0.357 | | 0.0199 | mg/kg dry | 0.249 | 0.0912 | 107 | 80-120 | | |
| **Matrix Spike Dup (BGB1927-MSD1)** | | **Source: 23A4079-15** | | | Prepared: 2/14/2023 Analyzed: 2/15/2023 | | | | | |
| Mercury | 0.363 | | 0.0200 | mg/kg dry | 0.250 | 0.0912 | 109 | 80-120 | 1.81 | 20 |
| ***Batch: BGB3245 - Cr VI*** | | | | | | | | | | |
| **Blank (BGB3245-BLK1)** | | | | | Prepared & Analyzed: 2/24/2023 | | | | | |
| Chromium (VI) | 0.104 | J | 5.00 | mg/kg wet | | | | | | |
| **LCS (BGB3245-BS1)** | | | | | Prepared & Analyzed: 2/24/2023 | | | | | |
| Chromium (VI) | 10.1 | | 5.00 | mg/kg wet | 9.80 | | 103 | 80-120 | | |
| **Duplicate (BGB3245-DUP1)** | | **Source: 23A1459-66** | | | Prepared & Analyzed: 2/24/2023 | | | | | |
| Chromium (VI) | <5.00 | U | 5.00 | mg/kg dry | | 0.144 | | | 200 | 20 |
| **Duplicate (BGB3245-DUP2)** | | **Source: 23A4057-48** | | | Prepared & Analyzed: 2/24/2023 | | | | | |
| Chromium (VI) | 0.190 | J | 5.00 | mg/kg dry | | 0.160 | | | 17.3 | 20 |
| **MRL Check (BGB3245-MRL1)** | | | | | Prepared & Analyzed: 2/24/2023 | | | | | |
| Chromium (VI) | 2.47 | J | 5.00 | mg/kg wet | 1.99 | | 124 | 50-150 | | |
| **SMS (BGB3245-MS1)** | | **Source: 23A1459-66** | | | Prepared & Analyzed: 2/24/2023 | | | | | |
| Chromium (VI) | <5.00 | J1, U | 5.00 | mg/kg dry | 13.2 | 0.144 | NR | 75-125 | | |
| **IMS (BGB3245-MS2)** | | **Source: 23A1459-66** | | | Prepared & Analyzed: 2/24/2023 | | | | | |
| Chromium (VI) | 5.62 | J1 | 5.00 | mg/kg dry | 1440 | 0.144 | 0.381 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB3245 - Cr VI (Continued)*** | | | | | | | | | | |
| **PMS (BGB3245-PS1)** | | **Source: 23A1459-66** | | | Prepared & Analyzed: 2/24/2023 | | | | | |
| Chromium (VI) | 2.30 | J1 | | ug/L | 250 | 2.73 | NR | 85-115 | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0721 - EPA 200.8 Dissolved*** | | | | | | | | | | |
| **Blank (BGB0721-BLK1)** | | | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Arsenic | <0.500 | U | 0.500 | ug/L | | | | | | |
| Chromium | <3.00 | U | 3.00 | ug/L | | | | | | |
| Copper | 0.422 | J | 1.00 | ug/L | | | | | | |
| Lead | <0.500 | U | 0.500 | ug/L | | | | | | |
| Nickel | <1.00 | U | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| Thallium | <0.500 | U | 0.500 | ug/L | | | | | | |
| **Blank (BGB0721-BLK2)** | | | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | | | | | |
| Cadmium | <1.00 | U | 1.00 | ug/L | | | | | | |
| Zinc | <2.00 | U | 2.00 | ug/L | | | | | | |
| **Blank (BGB0721-BLK3)** | | | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Beryllium | <0.200 | U | 0.200 | ug/L | | | | | | |
| **LCS (BGB0721-BS1)** | | | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Arsenic | 49.6 | | 0.500 | ug/L | 50.0 | | 99.2 | 85-115 | | |
| Chromium | 295 | | 3.00 | ug/L | 300 | | 98.2 | 85-115 | | |
| Copper | 104 | | 1.00 | ug/L | 100 | | 104 | 85-115 | | |
| Lead | 51.0 | | 0.500 | ug/L | 50.0 | | 102 | 85-115 | | |
| Nickel | 98.0 | | 1.00 | ug/L | 100 | | 98.0 | 85-115 | | |
| Silver | 53.7 | | 0.500 | ug/L | 50.0 | | 107 | 85-115 | | |
| Thallium | 48.9 | | 0.500 | ug/L | 50.0 | | 97.7 | 85-115 | | |
| **LCS (BGB0721-BS2)** | | | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | 93.4 | | 1.00 | ug/L | 100 | | 93.4 | 85-115 | | |
| Cadmium | 100 | | 1.00 | ug/L | 100 | | 100 | 85-115 | | |
| Zinc | 204 | | 2.00 | ug/L | 200 | | 102 | 85-115 | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0721 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **LCS (BGB0721-BS3)** | | | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Beryllium | 19.0 | | 0.200 | ug/L | 20.0 | | 95.0 | 85-115 | | |
| **Duplicate (BGB0721-DUP1)** | | | **Source: 23A1459-02** | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Arsenic | 1.96 | J | 2.50 | ug/L | | 1.89 | | | 3.43 | 20 |
| Chromium | 1.12 | J | 15.0 | ug/L | | 0.979 | | | 13.1 | 20 |
| Copper | 2.28 | J | 5.00 | ug/L | | 2.09 | | | 8.48 | 20 |
| Lead | 1.19 | J | 2.50 | ug/L | | 1.16 | | | 1.79 | 20 |
| Nickel | 1.24 | J | 5.00 | ug/L | | 1.03 | | | 18.2 | 20 |
| Silver | <2.50 | U | 2.50 | ug/L | | <2.50 | | | | 20 |
| Thallium | <2.50 | U | 2.50 | ug/L | | <2.50 | | | | 20 |
| **Duplicate (BGB0721-DUP2)** | | | **Source: 23A1459-49** | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Lead | <2.50 | U | 2.50 | ug/L | | 0.539 | | | 200 | 20 |
| Thallium | <2.50 | U | 2.50 | ug/L | | <2.50 | | | | 20 |
| **Duplicate (BGB0721-DUP3)** | | | **Source: 23A1459-02** | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Cadmium | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Zinc | 4.71 | J | 10.0 | ug/L | | 4.16 | | | 12.4 | 20 |
| **Duplicate (BGB0721-DUP4)** | | | **Source: 23A1459-49** | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Cadmium | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Copper | 1.09 | J | 5.00 | ug/L | | 1.31 | | | 18.5 | 20 |
| Silver | <2.50 | U | 2.50 | ug/L | | <2.50 | | | | 20 |
| Zinc | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| **Duplicate (BGB0721-DUP5)** | | | **Source: 23A1459-02** | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Beryllium | <1.00 | U | 1.00 | ug/L | | <1.00 | | | | 20 |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0721 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Duplicate (BGB0721-DUP6)** | | | **Source: 23A1459-49** | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Arsenic | 1.47 | J | 2.50 | ug/L | | 1.23 | | | 17.3 | 20 |
| Chromium | <15.0 | U | 15.0 | ug/L | | <15.0 | | | | 20 |
| Nickel | 0.504 | J | 5.00 | ug/L | | 0.531 | | | 5.22 | 20 |
| **Duplicate (BGB0721-DUPA)** | | | **Source: 23A1459-49** | | Prepared: 2/6/2023 Analyzed: 2/28/2023 | | | | | |
| Beryllium | <1.00 | U | 1.00 | ug/L | | <1.00 | | | | 20 |
| **BGB0310-BLK2 (BGB0721-LBK1)** | | | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Lead | <0.500 | U | 0.500 | ug/L | | | | | | |
| Thallium | <0.500 | U | 0.500 | ug/L | | | | | | |
| **BGB0310-BLK2 (BGB0721-LBK2)** | | | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | | | | | |
| Cadmium | <1.00 | U | 1.00 | ug/L | | | | | | |
| Copper | 1.76 | | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| Zinc | 4.82 | | 2.00 | ug/L | | | | | | |
| **BGB0310-BLK2 (BGB0721-LBK3)** | | | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Chromium | 0.222 | J | 3.00 | ug/L | | | | | | |
| Nickel | 0.781 | J | 1.00 | ug/L | | | | | | |
| **BGB0310-BLK2 (BGB0721-LBK5)** | | | | | Prepared: 2/6/2023 Analyzed: 2/22/2023 | | | | | |
| Arsenic | <0.500 | U | 0.500 | ug/L | | | | | | |
| **BGB0310-BLK2 (BGB0721-LBK6)** | | | | | Prepared: 2/6/2023 Analyzed: 2/28/2023 | | | | | |
| Beryllium | 0.0140 | J | 0.200 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0721 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **BGB0310-BLK2 (BGB0721-LBK7)** | | | | | Prepared: 2/6/2023 Analyzed: 3/1/2023 | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| **MDL Check (BGB0721-MRL1)** | | | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Arsenic | 0.124 | J | 0.500 | ug/L | 0.100 | | 124 | | | |
| Chromium | 0.132 | J | 3.00 | ug/L | 0.0800 | | 165 | | | |
| Copper | 0.624 | J | 1.00 | ug/L | 0.200 | | 312 | | | |
| Lead | 0.102 | J | 0.500 | ug/L | 0.100 | | 102 | | | |
| Nickel | 0.0230 | J | 1.00 | ug/L | 0.0500 | | 46.0 | | | |
| Silver | 0.0360 | J | 0.500 | ug/L | 0.0300 | | 120 | | | |
| Thallium | 0.0350 | J | 0.500 | ug/L | 0.0300 | | 117 | | | |
| **MDL Check (BGB0721-MRL2)** | | | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | 0.215 | J | 1.00 | ug/L | 0.200 | | 108 | | | |
| Cadmium | 0.0490 | J | 1.00 | ug/L | 0.0500 | | 98.0 | | | |
| Zinc | 0.196 | J | 2.00 | ug/L | 0.200 | | 98.0 | | | |
| **MDL Check (BGB0721-MRL3)** | | | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Beryllium | 0.0320 | J | 0.200 | ug/L | 0.0100 | | 320 | | | |
| **Matrix Spike (BGB0721-MS1)** | | **Source: 23A1459-02** | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Arsenic | 44.5 | | 2.50 | ug/L | 50.0 | 1.89 | 85.2 | 75-125 | | |
| Chromium | 257 | | 15.0 | ug/L | 300 | 0.979 | 85.3 | 75-125 | | |
| Copper | 77.6 | | 5.00 | ug/L | 100 | 2.09 | 75.5 | 75-125 | | |
| Lead | 39.0 | | 2.50 | ug/L | 50.0 | 1.16 | 75.8 | 75-125 | | |
| Nickel | 73.5 | J1 | 5.00 | ug/L | 100 | 1.03 | 72.4 | 75-125 | | |
| Silver | 39.9 | | 2.50 | ug/L | 50.0 | <2.50 | 79.9 | 75-125 | | |
| Thallium | 38.7 | | 2.50 | ug/L | 50.0 | <2.50 | 77.4 | 75-125 | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0721 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB0721-MS2)** | | **Source: 23A1459-49** | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Lead | 36.0 | J1 | 2.50 | ug/L | 50.0 | 0.539 | 70.9 | 75-125 | | |
| Thallium | 38.1 | | 2.50 | ug/L | 50.0 | <2.50 | 76.3 | 75-125 | | |
| **Matrix Spike (BGB0721-MS3)** | | **Source: 23A1459-02** | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | 94.6 | | 5.00 | ug/L | 100 | <5.00 | 94.6 | 75-125 | | |
| Cadmium | 81.8 | | 5.00 | ug/L | 100 | <5.00 | 81.8 | 75-125 | | |
| Zinc | 167 | | 10.0 | ug/L | 200 | 4.16 | 81.5 | 75-125 | | |
| **Matrix Spike (BGB0721-MS4)** | | **Source: 23A1459-49** | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | 94.0 | | 5.00 | ug/L | 100 | <5.00 | 94.0 | 75-125 | | |
| Cadmium | 85.7 | | 5.00 | ug/L | 100 | <5.00 | 85.7 | 75-125 | | |
| Copper | 85.0 | | 5.00 | ug/L | 100 | 1.31 | 83.7 | 75-125 | | |
| Silver | 40.7 | | 2.50 | ug/L | 50.0 | <2.50 | 81.5 | 75-125 | | |
| Zinc | 164 | | 10.0 | ug/L | 200 | <10.0 | 81.9 | 75-125 | | |
| **Matrix Spike (BGB0721-MS5)** | | **Source: 23A1459-02** | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Beryllium | 16.3 | | 1.00 | ug/L | 20.0 | <1.00 | 81.4 | 75-125 | | |
| **Matrix Spike (BGB0721-MS6)** | | **Source: 23A1459-49** | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Arsenic | 51.7 | | 2.50 | ug/L | 50.0 | 1.23 | 101 | 75-125 | | |
| Chromium | 279 | | 15.0 | ug/L | 300 | <15.0 | 93.1 | 75-125 | | |
| Nickel | 93.1 | | 5.00 | ug/L | 100 | 0.531 | 92.5 | 75-125 | | |
| **Matrix Spike (BGB0721-MSA)** | | **Source: 23A1459-49** | | | Prepared: 2/6/2023 Analyzed: 2/28/2023 | | | | | |
| Beryllium | 16.6 | | 1.00 | ug/L | 20.0 | <1.00 | 82.8 | 75-125 | | |
| ***Batch: BGB1125 - Cr VI*** | | | | | | | | | | |
| **Matrix Spike (BGB1125-MS1)** | | **Source: 23A1135-01** | | | Prepared & Analyzed: 2/8/2023 | | | | | |
| Chromium (VI) | 223 | | 3.00 | ug/L | 250 | 6.74 | 86.4 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB1125 - Cr VI (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BGB1125-MSD1)** | | **Source: 23A1135-01** | | | Prepared & Analyzed: 2/8/2023 | | | | | |
| Chromium (VI) | 258 | | 3.00 | ug/L | 250 | 6.74 | 100 | 70-130 | 14.5 | 20 |
| ***Batch: BGB1154 - Cr VI*** | | | | | | | | | | |
| **Matrix Spike (BGB1154-MS1)** | | **Source: 23A1135-01RE1** | | | Prepared: 2/8/2023 Analyzed: 2/10/2023 | | | | | |
| Chromium (VI) | 158 | J1 | 3.00 | ug/L | 250 | 5.29 | 61.2 | 70-130 | | |
| **Matrix Spike Dup (BGB1154-MSD1)** | | **Source: 23A1135-01RE1** | | | Prepared: 2/8/2023 Analyzed: 2/10/2023 | | | | | |
| Chromium (VI) | 156 | J1 | 3.00 | ug/L | 250 | 5.29 | 60.1 | 70-130 | 1.80 | 20 |
| ***Batch: BGB2104 - Cr VI*** | | | | | | | | | | |
| **BGB0310-BLK1 (BGB2104-LBK1)** | | | | | Prepared & Analyzed: 2/15/2023 | | | | | |
| Chromium (VI) | 32.4 | | 3.00 | ug/L | | | | | | |
| **Matrix Spike (BGB2104-MS1)** | | **Source: 23A1459-01** | | | Prepared & Analyzed: 2/15/2023 | | | | | |
| Chromium (VI) | 257 | | 3.00 | ug/L | 250 | 11.1 | 98.4 | 70-130 | | |
| **Matrix Spike Dup (BGB2104-MSD1)** | | **Source: 23A1459-01** | | | Prepared & Analyzed: 2/15/2023 | | | | | |
| Chromium (VI) | 261 | | 3.00 | ug/L | 250 | 11.1 | 99.9 | 70-130 | 1.45 | 20 |

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## Quality Control
**(Continued)**

### General Chemistry

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3071 - pH*** | | | | | | | | | | |
| **LCS (BGA3071-BS1)** | | | | | Prepared & Analyzed: 1/24/2023 | | | | | |
| pH | 6.86 | | | pH Units @ 25 °C | 6.86 | | 100 | 98.6-101.4 | | |
| **Duplicate (BGA3071-DUP1)** | | | **Source: 23A1459-24** | | Prepared & Analyzed: 1/24/2023 | | | | | |
| pH | 8.44 | | 0.100 | pH Units @ 25 °C | | 8.47 | | | 0.355 | 200 |
| ***Batch: BGA3093 - Percent Solids*** | | | | | | | | | | |
| **Blank (BGA3093-BLK1)** | | | | | Prepared: 1/24/2023 Analyzed: 1/25/2023 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BGA3093-DUP1)** | | | **Source: 23A1459-25** | | Prepared: 1/24/2023 Analyzed: 1/25/2023 | | | | | |
| % Solids | 74.1 | | 0.100 | % | | 74.2 | | | 0.0503 | 10 |
| **Reference (BGA3093-SRM1)** | | | | | Prepared: 1/24/2023 Analyzed: 1/25/2023 | | | | | |
| % Solids | 0.372 | | | % | 0.350 | | 106 | 78.9-118 | | |
| ***Batch: BGA3582 - CN-9014*** | | | | | | | | | | |
| **Blank (BGA3582-BLK1)** | | | | | Prepared & Analyzed: 1/27/2023 | | | | | |
| Total Cyanide | <0.0485 | U | 0.0485 | mg/kg wet | | | | | | |
| **LCS (BGA3582-BS1)** | | | | | Prepared & Analyzed: 1/27/2023 | | | | | |
| Total Cyanide | 0.968 | | 0.0495 | mg/kg wet | 0.990 | | 97.7 | 90-110 | | |
| **QCS (BGA3582-BS2)** | | | | | Prepared & Analyzed: 1/27/2023 | | | | | |
| Total Cyanide | 1.02 | | 0.0500 | mg/kg wet | 1.00 | | 102 | 90-110 | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3582 - CN-9014 (Continued)*** | | | | | | | | | | |
| **MRL Check (BGA3582-MRL1)** | | | | | Prepared & Analyzed: 1/27/2023 | | | | | |
| Total Cyanide | 0.0819 | | 0.0500 | mg/kg wet | 0.100 | | 81.9 | 50-150 | | |
| **Matrix Spike (BGA3582-MS1)** | | **Source: 23A1459-36** | | | Prepared & Analyzed: 1/27/2023 | | | | | |
| Total Cyanide | 1.12 | | 0.0645 | mg/kg dry | 1.29 | <0.0645 | 87.2 | 80-120 | | |
| **Matrix Spike Dup (BGA3582-MSD1)** | | **Source: 23A1459-36** | | | Prepared & Analyzed: 1/27/2023 | | | | | |
| Total Cyanide | 1.23 | | 0.0677 | mg/kg dry | 1.35 | <0.0677 | 90.6 | 80-120 | 8.67 | 20 |
| ***Batch: BGA3833 - TSS*** | | | | | | | | | | |
| **Blank (BGA3833-BLK1)** | | | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **LCS (BGA3833-BS1)** | | | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Residue-nonfilterable (TSS) | 98.6 | | 1.00 | mg/L | 100 | | 98.6 | 85-115 | | |
| **Duplicate (BGA3833-DUP1)** | | **Source: 23A1459-05** | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Residue-nonfilterable (TSS) | 11.6 | J1 | 1.00 | mg/L | | 9.47 | | | 20.0 | 10 |
| **Duplicate (BGA3833-DUP2)** | | **Source: 23A4289-01** | | | Prepared: 1/30/2023 Analyzed: 1/31/2023 | | | | | |
| Residue-nonfilterable (TSS) | 2.95 | J1 | 1.00 | mg/L | | 2.53 | | | 15.4 | 10 |
| ***Batch: BGA3870 - Percent Solids*** | | | | | | | | | | |
| **Blank (BGA3870-BLK1)** | | | | | Prepared: 1/30/2023 Analyzed: 2/1/2023 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3870 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Duplicate (BGA3870-DUP1)** | | **Source: 23A4428-05** | | | Prepared: 1/30/2023 Analyzed: 2/1/2023 | | | | | |
| % Solids | 0.916 | | 0.100 | % | | 0.911 | | | 0.639 | 10 |
| **Duplicate (BGA3870-DUP2)** | | **Source: 23A4550-02** | | | Prepared: 1/30/2023 Analyzed: 2/1/2023 | | | | | |
| % Solids | 2.01 | | 0.100 | % | | 2.01 | | | 0.364 | 10 |
| **Reference (BGA3870-SRM1)** | | | | | Prepared: 1/30/2023 Analyzed: 2/1/2023 | | | | | |
| % Solids | 0.373 | | | % | 0.350 | | 107 | 78.9-118 | | |
| ***Batch: BGA3958 - pH*** | | | | | | | | | | |
| **LCS (BGA3958-BS1)** | | | | | Prepared & Analyzed: 1/31/2023 | | | | | |
| pH | 6.86 | | | pH Units @ 25 °C | 6.86 | | 100 | 98.6-101.4 | | |
| **Duplicate (BGA3958-DUP1)** | | **Source: 23A1459-46** | | | Prepared & Analyzed: 1/31/2023 | | | | | |
| pH | 8.85 | | 0.100 | pH Units @ 25 °C | | 8.75 | | | 1.14 | 200 |
| ***Batch: BGA3978 - Percent Solids*** | | | | | | | | | | |
| **Blank (BGA3978-BLK1)** | | | | | Prepared: 1/31/2023 Analyzed: 2/1/2023 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BGA3978-DUP1)** | | **Source: 23A0200-02** | | | Prepared: 1/31/2023 Analyzed: 2/1/2023 | | | | | |
| % Solids | 1.19 | | 0.100 | % | | 1.18 | | | 0.131 | 10 |
| **Duplicate (BGA3978-DUP2)** | | **Source: 23A4592-03** | | | Prepared: 1/31/2023 Analyzed: 2/1/2023 | | | | | |
| % Solids | 2.34 | | 0.100 | % | | 2.34 | | | 0.109 | 10 |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGA3978 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Reference (BGA3978-SRM1)** | | | | | Prepared: 1/31/2023 Analyzed: 2/1/2023 | | | | | |
| % Solids | 0.374 | | | % | 0.350 | | 107 | 78.9-118 | | |
| ***Batch: BGB0157 - CN-9014*** | | | | | | | | | | |
| **Blank (BGB0157-BLK1)** | | | | | Prepared: 2/1/2023 Analyzed: 2/2/2023 | | | | | |
| Total Cyanide | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |
| **LCS (BGB0157-BS1)** | | | | | Prepared: 2/1/2023 Analyzed: 2/2/2023 | | | | | |
| Total Cyanide | 0.990 | | 0.0500 | mg/kg wet | 1.00 | | 99.0 | 90-110 | | |
| **QCS (BGB0157-BS2)** | | | | | Prepared: 2/1/2023 Analyzed: 2/2/2023 | | | | | |
| Total Cyanide | 1.02 | | 0.0500 | mg/kg wet | 1.00 | | 102 | 90-110 | | |
| **MRL Check (BGB0157-MRL1)** | | | | | Prepared: 2/1/2023 Analyzed: 2/2/2023 | | | | | |
| Total Cyanide | 0.116 | | 0.0500 | mg/kg wet | 0.100 | | 116 | 50-150 | | |
| **Matrix Spike (BGB0157-MS1)** | | **Source: 23A1459-46** | | | Prepared: 2/1/2023 Analyzed: 2/2/2023 | | | | | |
| Total Cyanide | 1.24 | | 0.0697 | mg/kg dry | 1.39 | <0.0697 | 88.8 | 80-120 | | |
| **Matrix Spike Dup (BGB0157-MSD1)** | | **Source: 23A1459-46** | | | Prepared: 2/1/2023 Analyzed: 2/2/2023 | | | | | |
| Total Cyanide | 1.31 | | 0.0697 | mg/kg dry | 1.39 | <0.0697 | 93.8 | 80-120 | 5.56 | 20 |
| ***Batch: BGB0296 - Percent Solids*** | | | | | | | | | | |
| **Blank (BGB0296-BLK1)** | | | | | Prepared: 2/2/2023 Analyzed: 2/3/2023 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0296 - Percent Solids (Continued)*** | | | | | | | | | | |
| **Duplicate (BGB0296-DUP1)** | | **Source: 23B0615-03** | | | Prepared: 2/2/2023 Analyzed: 2/3/2023 | | | | | |
| % Solids | 1.57 | | 0.100 | % | | 1.57 | | | 0.126 | 20 |
| **Duplicate (BGB0296-DUP2)** | | **Source: 23B0932-04** | | | Prepared: 2/2/2023 Analyzed: 2/3/2023 | | | | | |
| % Solids | 1.34 | | 0.100 | % | | 1.33 | | | 0.940 | 20 |
| **Reference (BGB0296-SRM1)** | | | | | Prepared: 2/2/2023 Analyzed: 2/3/2023 | | | | | |
| % Solids | 0.379 | | | % | 0.350 | | 108 | 78.9-118 | | |
| ***Batch: BGB0479 - NH3-N SEAL-350.1*** | | | | | | | | | | |
| **Matrix Spike (BGB0479-MS1)** | | **Source: 23B1077-01** | | | Prepared & Analyzed: 2/3/2023 | | | | | |
| Ammonia as N | 0.400 | | 0.0500 | mg/L | 0.400 | 0.0214 | 94.8 | 90-110 | | |
| **Matrix Spike (BGB0479-MS2)** | | **Source: 23B0505-02** | | | Prepared & Analyzed: 2/3/2023 | | | | | |
| Ammonia as N | 2.22 | | 1.00 | mg/L | 0.400 | 1.82 | 99.7 | 90-110 | | |
| **Matrix Spike Dup (BGB0479-MSD1)** | | **Source: 23B1077-01** | | | Prepared & Analyzed: 2/3/2023 | | | | | |
| Ammonia as N | 0.399 | | 0.0500 | mg/L | 0.400 | 0.0214 | 94.5 | 90-110 | 0.300 | 20 |
| **Matrix Spike Dup (BGB0479-MSD2)** | | **Source: 23B0505-02** | | | Prepared & Analyzed: 2/3/2023 | | | | | |
| Ammonia as N | 2.23 | | 1.00 | mg/L | 0.400 | 1.82 | 101 | 90-110 | 0.225 | 20 |
| ***Batch: BGB0480 - NH3-N SEAL-350.1*** | | | | | | | | | | |
| **Matrix Spike (BGB0480-MS1)** | | **Source: 23B0810-01** | | | Prepared & Analyzed: 2/3/2023 | | | | | |
| Ammonia as N | 0.422 | | 0.0500 | mg/L | 0.400 | 0.0355 | 96.7 | 90-110 | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0480 - NH3-N SEAL-350.1 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB0480-MS2)** | | **Source: 23A1459-50** | | | Prepared & Analyzed: 2/3/2023 | | | | | |
| Ammonia as N | 1.83 | | 0.100 | mg/L | 0.400 | 1.45 | 95.2 | 90-110 | | |
| **Matrix Spike Dup (BGB0480-MSD1)** | | **Source: 23B0810-01** | | | Prepared & Analyzed: 2/3/2023 | | | | | |
| Ammonia as N | 0.429 | | 0.0500 | mg/L | 0.400 | 0.0355 | 98.3 | 90-110 | 1.55 | 20 |
| **Matrix Spike Dup (BGB0480-MSD2)** | | **Source: 23A1459-50** | | | Prepared & Analyzed: 2/3/2023 | | | | | |
| Ammonia as N | 1.88 | | 0.100 | mg/L | 0.400 | 1.45 | 106 | 90-110 | 2.35 | 20 |
| ***Batch: BGB0847 - pH*** | | | | | | | | | | |
| **LCS (BGB0847-BS1)** | | | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| pH | 6.86 | | | pH Units @ 25 °C | 6.86 | | 100 | 98.6-101.4 | | |
| **Duplicate (BGB0847-DUP1)** | | **Source: 23A1459-66** | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| pH | 8.45 | | 0.100 | pH Units @ 25 °C | | 8.41 | | | 0.474 | 200 |
| ***Batch: BGB0953 - NH3-N T*** | | | | | | | | | | |
| **Blank (BGB0953-BLK1)** | | | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Ammonia as N | <9.99 | U | 9.99 | mg/kg wet | | | | | | |
| **LCS (BGB0953-BS1)** | | | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Ammonia as N | 97.2 | | 10.0 | mg/kg wet | 100 | | 97.2 | 85-115 | | |
| **Duplicate (BGB0953-DUP1)** | | **Source: 23A1459-27** | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Ammonia as N | 9.00 | J | 15.3 | mg/kg dry | | 9.86 | | | 9.19 | 20 |

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# Quality Control
**(Continued)**

## General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0953 - NH3-N T (Continued)*** | | | | | | | | | | |
| **MRL Check (BGB0953-MRL1)** | | | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Ammonia as N | 8.94 | J | 9.98 | mg/kg wet | 9.98 | | 89.6 | 50-150 | | |
| **Matrix Spike (BGB0953-MS1)** | | **Source: 23A1459-27** | | | Prepared: 2/7/2023 Analyzed: 2/8/2023 | | | | | |
| Ammonia as N | 110 | J1 | 15.3 | mg/kg dry | 153 | 9.86 | 65.2 | 85-115 | | |
| ***Batch: BGB1156 - NH3-N T*** | | | | | | | | | | |
| **Blank (BGB1156-BLK1)** | | | | | Prepared: 2/8/2023 Analyzed: 2/9/2023 | | | | | |
| Ammonia as N | <9.96 | U | 9.96 | mg/kg wet | | | | | | |
| **LCS (BGB1156-BS1)** | | | | | Prepared: 2/8/2023 Analyzed: 2/9/2023 | | | | | |
| Ammonia as N | 94.5 | | 9.90 | mg/kg wet | 99.0 | | 95.5 | 85-115 | | |
| **Duplicate (BGB1156-DUP1)** | | **Source: 23A1459-56** | | | Prepared: 2/8/2023 Analyzed: 2/9/2023 | | | | | |
| Ammonia as N | <12.3 | U | 12.3 | mg/kg dry | | <12.3 | | | | 20 |
| **MRL Check (BGB1156-MRL1)** | | | | | Prepared: 2/8/2023 Analyzed: 2/9/2023 | | | | | |
| Ammonia as N | 8.65 | J1, J | 9.97 | mg/kg wet | 99.7 | | 8.68 | 50-150 | | |
| **Matrix Spike (BGB1156-MS1)** | | **Source: 23A1459-56** | | | Prepared: 2/8/2023 Analyzed: 2/9/2023 | | | | | |
| Ammonia as N | 118 | J1 | 12.3 | mg/kg dry | 12.3 | <12.3 | 958 | 85-115 | | |
| ***Batch: BGB1516 - Alkalinity*** | | | | | | | | | | |
| **Blank (BGB1516-BLK1)** | | | | | Prepared & Analyzed: 2/10/2023 | | | | | |
| Salinity | <1.00 | U | 1.00 | Salinity units | | | | | | |

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## Quality Control
**(Continued)**

### General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB1516 - Alkalinity (Continued)*** | | | | | | | | | | |
| **LCS (BGB1516-BS1)** | | | | | Prepared & Analyzed: 2/10/2023 | | | | | |
| Salinity | <1.00 | U | 1.00 | Salinity units | | | | 90-110 | | |
| **QSC (BGB1516-BS2)** | | | | | Prepared & Analyzed: 2/10/2023 | | | | | |
| Salinity | <1.00 | U | 1.00 | Salinity units | | | | 90-110 | | |
| **LCS (BGB1516-BS3)** | | | | | Prepared & Analyzed: 2/10/2023 | | | | | |
| Salinity | 35.1 | | | Salinity units | 35.0 | | 100 | 90-110 | | |
| **LCS (BGB1516-BS4)** | | | | | Prepared & Analyzed: 2/10/2023 | | | | | |
| Salinity | <1.00 | U | 1.00 | Salinity units | | | | 90-110 | | |
| **Duplicate (BGB1516-DUP1)** | | **Source: 23B2331-01** | | | Prepared & Analyzed: 2/10/2023 | | | | | |
| Salinity | <1.00 | U | 1.00 | Salinity units | | <1.00 | | | | 15 |
| **Duplicate (BGB1516-DUP2)** | | **Source: 23B2192-08** | | | Prepared & Analyzed: 2/10/2023 | | | | | |
| Salinity | <1.00 | U | 1.00 | Salinity units | | <1.00 | | | | 15 |

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## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511*** | | | | | | | | | | |
| **Blank (BGB0925-BLK1)** | | | | | Prepared: 2/7/2023 Analyzed: 2/10/2023 | | | | | |
| 3,3'-Dichlorobenzidine | <0.562 | U | 0.562 | ug/L | | | | | | |
| Benzidine | <0.562 | U | 0.562 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.76* | *ug/L* | *10.0* | | *97.6* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *18.1* | *ug/L* | *20.0* | | *90.4* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *21.4* | *ug/L* | *20.0* | | *107* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.2* | *ug/L* | *10.0* | | *102* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *19.5* | *ug/L* | *20.0* | | *97.6* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.23* | *ug/L* | *10.0* | | *92.3* | *51.9-147* | | |
| **Blank (BGB0925-BLK2)** | | | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| 1,2,4-Trichlorobenzene | <0.562 | U | 0.562 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 1,2-Diphenylhydrazine | <0.562 | U | 0.562 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.50 | U | 4.50 | ug/L | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2-Chloronaphthalene | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2-Chlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Nitrophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 4-Chloro-3-methylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Chlorophenyl phenylether | <0.562 | U | 0.562 | ug/L | | | | | | |
| 4-Nitrophenol | <4.50 | U | 4.50 | ug/L | | | | | | |
| Acenaphthene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Acenaphthylene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Anthracene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <1.12 | U | 1.12 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.562 | U | 0.562 | ug/L | | | | | | |
| bis(2-Chloroethoxy)methane | <0.562 | U | 0.562 | ug/L | | | | | | |
| bis(2-Chloroethyl) ether | <0.562 | U | 0.562 | ug/L | | | | | | |
| Bis(2-ethylhexyl )phthalate | <0.562 | U | 0.562 | ug/L | | | | | | |
| Butyl benzyl phthalate | <0.562 | U | 0.562 | ug/L | | | | | | |
| Chrysene | <0.562 | U | 0.562 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Blank (BGB0925-BLK2)** | | | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| Dibenzo(a,h)anthracene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Diethyl phthalate | 0.852 | | 0.562 | ug/L | | | | | | |
| Dimethyl phthalate | 1.52 | | 0.562 | ug/L | | | | | | |
| Di-n-butyl phthalate | 9.16 | | 0.562 | ug/L | | | | | | |
| Di-n-octyl phthalate | <0.562 | U | 0.562 | ug/L | | | | | | |
| Fluoranthene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Fluorene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Hexachlorobenzene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Hexachlorocyclopentadiene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Hexachloroethane | <0.562 | U | 0.562 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Isophorone | <0.562 | U | 0.562 | ug/L | | | | | | |
| Naphthalene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Nitrobenzene | <0.562 | U | 0.562 | ug/L | | | | | | |
| n-Nitrosodimethylamine | <2.25 | U | 2.25 | ug/L | | | | | | |
| n-Nitrosodi-n-propylamine | <0.562 | U | 0.562 | ug/L | | | | | | |
| n-Nitrosodiphenylamine | <0.562 | U | 0.562 | ug/L | | | | | | |
| Pentachlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| Phenanthrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Phenol, Total | 0.648 | J | 1.12 | ug/L | | | | | | |
| Pyrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.17* | *ug/L* | *10.0* | | *91.7* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.9* | *ug/L* | *20.0* | | *110* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.7* | *ug/L* | *20.0* | | *93.3* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *8.20* | *ug/L* | *10.0* | | *82.0* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *21.6* | *ug/L* | *20.0* | | *108* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.58* | *ug/L* | *10.0* | | *95.8* | *51.9-147* | | |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BS BENZ (BGB0925-BS1)** | | | | | Prepared: 2/7/2023 Analyzed: 2/10/2023 | | | | | |
| 3,3'-Dichlorobenzidine | 6.51 | | 0.562 | ug/L | 10.0 | | 65.1 | 22.3-156 | | |
| Benzidine | 2.78 | | 0.562 | ug/L | 10.0 | | 27.8 | 9.32-162 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.31* | *ug/L* | *10.0* | | *93.1* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *21.8* | *ug/L* | *20.0* | | *109* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.9* | *ug/L* | *20.0* | | *99.7* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.5* | *ug/L* | *10.0* | | *105* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.2* | *ug/L* | *20.0* | | *101* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.57* | *ug/L* | *10.0* | | *85.7* | *51.9-147* | | |
| **BS SV (BGB0925-BS2)** | | | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 9.54 | | 0.562 | ug/L | 10.0 | | 95.4 | 60-140 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 9.71 | | 0.562 | ug/L | 10.0 | | 97.1 | 60-140 | | |
| 1,2-Diphenylhydrazine | 10.6 | | 0.562 | ug/L | 10.0 | | 106 | 60-140 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 8.38 | | 0.562 | ug/L | 10.0 | | 83.8 | 60-140 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 9.52 | | 0.562 | ug/L | 10.0 | | 95.2 | 60-140 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 10.7 | | 0.562 | ug/L | 10.0 | | 107 | 60-140 | | |
| 2,4-Dichlorophenol | 19.5 | | 0.562 | ug/L | 20.0 | | 97.6 | 60-140 | | |
| 2,4-Dimethylphenol | 22.1 | | 1.12 | ug/L | 20.0 | | 111 | 35.9-153 | | |
| 2,4-Dinitrophenol | 51.7 | | 4.50 | ug/L | 50.0 | | 103 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 10.0 | | 0.562 | ug/L | 10.0 | | 100 | 60-140 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 10.8 | | 0.562 | ug/L | 10.0 | | 108 | 60-140 | | |
| 2-Chloronaphthalene | 10.2 | | 0.562 | ug/L | 10.0 | | 102 | 60-140 | | |
| 2-Chlorophenol | 12.3 | | 1.12 | ug/L | 20.0 | | 61.4 | 60-140 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 21.8 | | 1.12 | ug/L | 20.0 | | 109 | 60-140 | | |
| 2-Nitrophenol | 20.2 | | 1.12 | ug/L | 20.0 | | 101 | 60-140 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 9.01 | | 0.562 | ug/L | 10.0 | | 90.1 | 60-140 | | |
| 4-Chloro-3-methylphenol | 20.6 | | 1.12 | ug/L | 20.0 | | 103 | 60-140 | | |
| 4-Chlorophenyl phenylether | 8.01 | | 0.562 | ug/L | 10.0 | | 80.1 | 60-140 | | |
| 4-Nitrophenol | 49.7 | | 4.50 | ug/L | 50.0 | | 99.4 | 60-140 | | |
| Acenaphthene | 10.0 | | 0.562 | ug/L | 10.0 | | 100 | 60-140 | | |
| Acenaphthylene | 11.8 | | 0.562 | ug/L | 10.0 | | 118 | 60-140 | | |
| Anthracene | 10.1 | | 0.562 | ug/L | 10.0 | | 101 | 60-140 | | |
| Benzo(a)anthracene | 10.9 | | 0.562 | ug/L | 10.0 | | 109 | 60-140 | | |
| Benzo(a)pyrene | 10.1 | | 0.562 | ug/L | 10.0 | | 101 | 60-140 | | |
| benzo(b&k)fluoranthene | 21.4 | | 1.12 | ug/L | 20.0 | | 107 | 60-140 | | |
| Benzo(g,h,i)perylene | 9.08 | | 0.562 | ug/L | 10.0 | | 90.8 | 60-140 | | |
| bis(2-Chloroethoxy)methane | 10.7 | | 0.562 | ug/L | 10.0 | | 107 | 60-140 | | |
| bis(2-Chloroethyl) ether | 8.84 | | 0.562 | ug/L | 10.0 | | 88.4 | 60-140 | | |
| Bis(2-ethylhexyl )phthalate | 9.47 | | 0.562 | ug/L | 10.0 | | 94.7 | 60-140 | | |
| Butyl benzyl phthalate | 9.76 | | 0.562 | ug/L | 10.0 | | 97.6 | 60-140 | | |
| Chrysene | 9.02 | | 0.562 | ug/L | 10.0 | | 90.2 | 60-140 | | |
| Dibenzo(a,h)anthracene | 9.01 | | 0.562 | ug/L | 10.0 | | 90.1 | 60-140 | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
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## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BS SV (BGB0925-BS2)** | | | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| Diethyl phthalate | 10.3 | | 0.562 | ug/L | 10.0 | | 103 | 60-140 | | |
| Dimethyl phthalate | 12.1 | | 0.562 | ug/L | 10.0 | | 121 | 60-140 | | |
| Di-n-butyl phthalate | <0.562 | J1, L, U | 0.562 | ug/L | 10.0 | | | 60-140 | | |
| Di-n-octyl phthalate | 10.8 | | 0.562 | ug/L | 10.0 | | 108 | 60-140 | | |
| Fluoranthene | 9.58 | | 0.562 | ug/L | 10.0 | | 95.8 | 60-140 | | |
| Fluorene | 10.3 | | 0.562 | ug/L | 10.0 | | 103 | 60-140 | | |
| Hexachlorobenzene | 8.15 | | 0.562 | ug/L | 10.0 | | 81.5 | 60-140 | | |
| Hexachlorobutadiene | 5.55 | J1 | 0.562 | ug/L | 10.0 | | 55.5 | 60-140 | | |
| Hexachlorocyclopentadiene | 7.59 | | 0.562 | ug/L | 10.0 | | 75.9 | 60-140 | | |
| Hexachloroethane | 8.15 | | 0.562 | ug/L | 10.0 | | 81.5 | 60-140 | | |
| Indeno(1,2,3-cd) pyrene | 9.03 | | 0.562 | ug/L | 10.0 | | 90.3 | 60-140 | | |
| Isophorone | 9.52 | | 0.562 | ug/L | 10.0 | | 95.2 | 60-140 | | |
| Naphthalene | 10.2 | | 0.562 | ug/L | 10.0 | | 102 | 60-140 | | |
| Nitrobenzene | 11.4 | | 0.562 | ug/L | 10.0 | | 114 | 60-140 | | |
| n-Nitrosodimethylamine | 4.16 | | 2.25 | ug/L | 50.0 | | 8.32 | 2.5-65.7 | | |
| n-Nitrosodi-n-propylamine | 10.9 | | 0.562 | ug/L | 10.0 | | 109 | 60-140 | | |
| n-Nitrosodiphenylamine | 5.61 | J1 | 0.562 | ug/L | 10.0 | | 56.1 | 60-140 | | |
| Pentachlorophenol | 19.5 | | 1.12 | ug/L | 20.0 | | 97.6 | 36.8-149 | | |
| Phenanthrene | 9.48 | | 0.562 | ug/L | 10.0 | | 94.8 | 60-140 | | |
| Phenol, Total | 19.3 | | 1.12 | ug/L | 20.0 | | 96.3 | 60-140 | | |
| Pyrene | 9.23 | | 0.562 | ug/L | 10.0 | | 92.3 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.68* | *ug/L* | *10.0* | | *96.8* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.6* | *ug/L* | *20.0* | | *118* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *16.3* | *ug/L* | *20.0* | | *81.6* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *8.43* | *ug/L* | *10.0* | | *84.3* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *25.7* | *ug/L* | *20.0* | | *129* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.22* | *ug/L* | *10.0* | | *82.2* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BSD BENZ (BGB0925-BSD1)** | | | | | Prepared: 2/7/2023 Analyzed: 2/10/2023 | | | | | |
| 3,3'-Dichlorobenzidine | 6.90 | | 0.562 | ug/L | 10.0 | | 69.0 | 22.3-156 | 5.80 | 40 |
| Benzidine | 2.55 | | 0.562 | ug/L | 10.0 | | 25.5 | 9.32-162 | 8.52 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.80* | *ug/L* | *10.0* | | *98.0* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *18.6* | *ug/L* | *20.0* | | *93.1* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.9* | *ug/L* | *20.0* | | *104* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.97* | *ug/L* | *10.0* | | *99.7* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *18.9* | *ug/L* | *20.0* | | *94.4* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.62* | *ug/L* | *10.0* | | *86.2* | *51.9-147* | | |
| **BSD SV (BGB0925-BSD2)** | | | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 10.7 | | 0.562 | ug/L | 10.0 | | 107 | 60-140 | 11.2 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 9.90 | | 0.562 | ug/L | 10.0 | | 99.0 | 60-140 | 1.85 | 40 |
| 1,2-Diphenylhydrazine | 9.57 | | 0.562 | ug/L | 10.0 | | 95.7 | 60-140 | 9.91 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 8.92 | | 0.562 | ug/L | 10.0 | | 89.2 | 60-140 | 6.33 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 9.97 | | 0.562 | ug/L | 10.0 | | 99.7 | 60-140 | 4.59 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 10.0 | | 0.562 | ug/L | 10.0 | | 100 | 60-140 | 6.89 | 40 |
| 2,4-Dichlorophenol | 21.9 | | 0.562 | ug/L | 20.0 | | 110 | 60-140 | 11.6 | 40 |
| 2,4-Dimethylphenol | 22.3 | | 1.12 | ug/L | 20.0 | | 112 | 35.9-153 | 0.973 | 40 |
| 2,4-Dinitrophenol | 54.2 | | 4.50 | ug/L | 50.0 | | 108 | 60-140 | 4.79 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 10.3 | | 0.562 | ug/L | 10.0 | | 103 | 60-140 | 2.39 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 12.5 | | 0.562 | ug/L | 10.0 | | 125 | 60-140 | 15.1 | 40 |
| 2-Chloronaphthalene | 10.9 | | 0.562 | ug/L | 10.0 | | 109 | 60-140 | 6.92 | 40 |
| 2-Chlorophenol | 14.4 | | 1.12 | ug/L | 20.0 | | 71.9 | 60-140 | 15.9 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 22.7 | | 1.12 | ug/L | 20.0 | | 114 | 60-140 | 4.27 | 40 |
| 2-Nitrophenol | 17.8 | | 1.12 | ug/L | 20.0 | | 89.2 | 60-140 | 12.5 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 10.9 | | 0.562 | ug/L | 10.0 | | 109 | 60-140 | 19.4 | 40 |
| 4-Chloro-3-methylphenol | 20.9 | | 1.12 | ug/L | 20.0 | | 104 | 60-140 | 1.51 | 40 |
| 4-Chlorophenyl phenylether | 10.3 | | 0.562 | ug/L | 10.0 | | 103 | 60-140 | 25.0 | 40 |
| 4-Nitrophenol | 44.2 | | 4.50 | ug/L | 50.0 | | 88.3 | 60-140 | 11.7 | 40 |
| Acenaphthene | 10.6 | | 0.562 | ug/L | 10.0 | | 106 | 60-140 | 5.50 | 40 |
| Acenaphthylene | 12.0 | | 0.562 | ug/L | 10.0 | | 120 | 60-140 | 1.04 | 40 |
| Anthracene | 10.3 | | 0.562 | ug/L | 10.0 | | 103 | 60-140 | 1.99 | 40 |
| Benzo(a)anthracene | 10.8 | | 0.562 | ug/L | 10.0 | | 108 | 60-140 | 0.660 | 40 |
| Benzo(a)pyrene | 10.8 | | 0.562 | ug/L | 10.0 | | 108 | 60-140 | 6.06 | 40 |
| benzo(b&k)fluoranthene | 22.3 | | 1.12 | ug/L | 20.0 | | 112 | 60-140 | 4.51 | 40 |
| Benzo(g,h,i)perylene | 10.5 | | 0.562 | ug/L | 10.0 | | 105 | 60-140 | 14.2 | 40 |
| bis(2-Chloroethoxy)methane | 10.1 | | 0.562 | ug/L | 10.0 | | 101 | 60-140 | 5.07 | 40 |
| bis(2-Chloroethyl) ether | 11.6 | | 0.562 | ug/L | 10.0 | | 116 | 60-140 | 26.9 | 40 |
| Bis(2-ethylhexyl )phthalate | 11.2 | | 0.562 | ug/L | 10.0 | | 112 | 60-140 | 16.9 | 40 |
| Butyl benzyl phthalate | 10.6 | | 0.562 | ug/L | 10.0 | | 106 | 60-140 | 8.61 | 40 |
| Chrysene | 9.99 | | 0.562 | ug/L | 10.0 | | 99.9 | 60-140 | 10.3 | 40 |
| Dibenzo(a,h)anthracene | 10.7 | | 0.562 | ug/L | 10.0 | | 107 | 60-140 | 17.6 | 40 |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BSD SV (BGB0925-BSD2)** | | | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| Diethyl phthalate | 11.7 | | 0.562 | ug/L | 10.0 | | 117 | 60-140 | 13.3 | 40 |
| Dimethyl phthalate | 12.8 | | 0.562 | ug/L | 10.0 | | 128 | 60-140 | 6.07 | 40 |
| Di-n-butyl phthalate | <0.562 | J1, L, U | 0.562 | ug/L | 10.0 | | | 60-140 | | 40 |
| Di-n-octyl phthalate | 11.5 | | 0.562 | ug/L | 10.0 | | 115 | 60-140 | 5.73 | 40 |
| Fluoranthene | 10.1 | | 0.562 | ug/L | 10.0 | | 101 | 60-140 | 5.72 | 40 |
| Fluorene | 10.9 | | 0.562 | ug/L | 10.0 | | 109 | 60-140 | 5.45 | 40 |
| Hexachlorobenzene | 11.5 | | 0.562 | ug/L | 10.0 | | 115 | 60-140 | 33.7 | 40 |
| Hexachlorobutadiene | 7.03 | | 0.562 | ug/L | 10.0 | | 70.3 | 60-140 | 23.5 | 40 |
| Hexachlorocyclopentadiene | 7.28 | | 0.562 | ug/L | 10.0 | | 72.8 | 60-140 | 4.17 | 40 |
| Hexachloroethane | 7.33 | | 0.562 | ug/L | 10.0 | | 73.3 | 60-140 | 10.6 | 40 |
| Indeno(1,2,3-cd) pyrene | 10.5 | | 0.562 | ug/L | 10.0 | | 105 | 60-140 | 15.0 | 40 |
| Isophorone | 8.45 | | 0.562 | ug/L | 10.0 | | 84.5 | 60-140 | 12.0 | 40 |
| Naphthalene | 10.8 | | 0.562 | ug/L | 10.0 | | 108 | 60-140 | 6.43 | 40 |
| Nitrobenzene | 10.6 | | 0.562 | ug/L | 10.0 | | 106 | 60-140 | 6.69 | 40 |
| n-Nitrosodimethylamine | 4.16 | | 2.25 | ug/L | 50.0 | | 8.32 | 2.5-65.7 | 0.0391 | 40 |
| n-Nitrosodi-n-propylamine | 9.10 | | 0.562 | ug/L | 10.0 | | 91.0 | 60-140 | 17.8 | 40 |
| n-Nitrosodiphenylamine | 12.5 | J1 | 0.562 | ug/L | 10.0 | | 125 | 60-140 | 76.3 | 40 |
| Pentachlorophenol | 23.2 | | 1.12 | ug/L | 20.0 | | 116 | 36.8-149 | 17.2 | 40 |
| Phenanthrene | 10.7 | | 0.562 | ug/L | 10.0 | | 107 | 60-140 | 11.9 | 40 |
| Phenol, Total | 21.7 | | 1.12 | ug/L | 20.0 | | 109 | 60-140 | 12.0 | 40 |
| Pyrene | 9.50 | | 0.562 | ug/L | 10.0 | | 95.0 | 60-140 | 2.87 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.3* | *ug/L* | *10.0* | | *103* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.4* | *ug/L* | *20.0* | | *117* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.0* | *ug/L* | *20.0* | | *100* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *8.80* | *ug/L* | *10.0* | | *88.0* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.5* | *ug/L* | *20.0* | | *118* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.29* | *ug/L* | *10.0* | | *82.9* | *51.9-147* | | |

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## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BGA3905-BLK1 (BGB0925-LBK1)** | | | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| 3,3'-Dichlorobenzidine | <0.562 | U | 0.562 | ug/L | | | | | | |
| Benzidine | <0.562 | U | 0.562 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *14.5* | *ug/L* | *10.0* | | *145* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | *S* | *31.0* | *ug/L* | *20.0* | | *155* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *38.7* | *ug/L* | *20.0* | | *193* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *18.4* | *ug/L* | *10.0* | | *184* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | *S* | *35.6* | *ug/L* | *20.0* | | *178* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *10.3* | *ug/L* | *10.0* | | *103* | *51.9-147* | | |
| **BGB0310-BLK1 (BGB0925-LBK2)** | | | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| 3,3'-Dichlorobenzidine | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzidine | <0.561 | U | 0.561 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *13.8* | *ug/L* | *9.98* | | *138* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *24.6* | *ug/L* | *20.0* | | *123* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | *S* | *38.2* | *ug/L* | *20.0* | | *192* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *15.8* | *ug/L* | *9.98* | | *158* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *29.3* | *ug/L* | *20.0* | | *147* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *11.5* | *ug/L* | *9.98* | | *116* | *51.9-147* | | |
| **BGA3905-BLK1 (BGB0925-LBK3)** | | | | | Prepared: 2/7/2023 Analyzed: 2/15/2023 | | | | | |
| 1,2,4-Trichlorobenzene | <0.562 | U | 0.562 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 1,2-Diphenylhydrazine | <0.562 | U | 0.562 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.50 | U | 4.50 | ug/L | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2-Chloronaphthalene | <0.562 | U | 0.562 | ug/L | | | | | | |
| 2-Chlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Nitrophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <0.562 | U | 0.562 | ug/L | | | | | | |
| 4-Chloro-3-methylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Chlorophenyl phenylether | <0.562 | U | 0.562 | ug/L | | | | | | |
| 4-Nitrophenol | <4.50 | U | 4.50 | ug/L | | | | | | |
| Acenaphthene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Acenaphthylene | <0.562 | U | 0.562 | ug/L | | | | | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BGA3905-BLK1 (BGB0925-LBK3)** | | | | | Prepared: 2/7/2023 Analyzed: 2/15/2023 | | | | | |
| Anthracene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <1.12 | U | 1.12 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.562 | U | 0.562 | ug/L | | | | | | |
| bis(2-Chloroethoxy)methane | <0.562 | U | 0.562 | ug/L | | | | | | |
| bis(2-Chloroethyl) ether | <0.562 | U | 0.562 | ug/L | | | | | | |
| Bis(2-ethylhexyl )phthalate | <0.562 | U | 0.562 | ug/L | | | | | | |
| Butyl benzyl phthalate | <0.562 | U | 0.562 | ug/L | | | | | | |
| Chrysene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Diethyl phthalate | 0.774 | | 0.562 | ug/L | | | | | | |
| Dimethyl phthalate | 5.59 | | 0.562 | ug/L | | | | | | |
| Di-n-butyl phthalate | <0.562 | L, U | 0.562 | ug/L | | | | | | |
| Di-n-octyl phthalate | <0.562 | U | 0.562 | ug/L | | | | | | |
| Fluoranthene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Fluorene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Hexachlorobenzene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Hexachlorocyclopentadiene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Hexachloroethane | <0.562 | U | 0.562 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Isophorone | <0.562 | U | 0.562 | ug/L | | | | | | |
| Naphthalene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Nitrobenzene | <0.562 | U | 0.562 | ug/L | | | | | | |
| n-Nitrosodimethylamine | <2.25 | U | 2.25 | ug/L | | | | | | |
| n-Nitrosodi-n-propylamine | <0.562 | U | 0.562 | ug/L | | | | | | |
| n-Nitrosodiphenylamine | <0.562 | U | 0.562 | ug/L | | | | | | |
| Pentachlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| Phenanthrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| Phenol, Total | 1.43 | | 1.12 | ug/L | | | | | | |
| Pyrene | <0.562 | U | 0.562 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.70* | *ug/L* | *10.0* | | *97.0* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.3* | *ug/L* | *20.0* | | *111* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *21.9* | *ug/L* | *20.0* | | *109* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *7.99* | *ug/L* | *10.0* | | *79.9* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *25.7* | *ug/L* | *20.0* | | *129* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.20* | *ug/L* | *10.0* | | *82.0* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BGB0310-BLK1 (BGB0925-LBK4)** | | | | | Prepared: 2/7/2023 Analyzed: 2/15/2023 | | | | | |
| 1,2,4-Trichlorobenzene | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,2-Diphenylhydrazine | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,4-Dichlorophenol | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,4-Dimethylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2,4-Dinitrophenol | <4.49 | U | 4.49 | ug/L | | | | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2-Chloronaphthalene | <0.561 | U | 0.561 | ug/L | | | | | | |
| 2-Chlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | <1.12 | U | 1.12 | ug/L | | | | | | |
| 2-Nitrophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | <0.561 | U | 0.561 | ug/L | | | | | | |
| 4-Chloro-3-methylphenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| 4-Chlorophenyl phenylether | <0.561 | U | 0.561 | ug/L | | | | | | |
| 4-Nitrophenol | <4.49 | U | 4.49 | ug/L | | | | | | |
| Acenaphthene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Acenaphthylene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzo(a)anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Benzo(a)pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| benzo(b&k)fluoranthene | <1.12 | U | 1.12 | ug/L | | | | | | |
| Benzo(g,h,i)perylene | <0.561 | U | 0.561 | ug/L | | | | | | |
| bis(2-Chloroethoxy)methane | <0.561 | U | 0.561 | ug/L | | | | | | |
| bis(2-Chloroethyl) ether | <0.561 | U | 0.561 | ug/L | | | | | | |
| Bis(2-ethylhexyl )phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Butyl benzyl phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Chrysene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Dibenzo(a,h)anthracene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Diethyl phthalate | 0.726 | | 0.561 | ug/L | | | | | | |
| Dimethyl phthalate | 5.78 | | 0.561 | ug/L | | | | | | |
| Di-n-butyl phthalate | <0.561 | L, U | 0.561 | ug/L | | | | | | |
| Di-n-octyl phthalate | <0.561 | U | 0.561 | ug/L | | | | | | |
| Fluoranthene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Fluorene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachlorobenzene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachlorobutadiene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Hexachlorocyclopentadiene | <0.561 | U | 0.561 | ug/L | | | | | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BGB0310-BLK1 (BGB0925-LBK4)** | | | | | Prepared: 2/7/2023 Analyzed: 2/15/2023 | | | | | |
| Hexachloroethane | <0.561 | U | 0.561 | ug/L | | | | | | |
| Indeno(1,2,3-cd) pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Isophorone | <0.561 | U | 0.561 | ug/L | | | | | | |
| Naphthalene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Nitrobenzene | <0.561 | U | 0.561 | ug/L | | | | | | |
| n-Nitrosodimethylamine | <2.24 | U | 2.24 | ug/L | | | | | | |
| n-Nitrosodi-n-propylamine | <0.561 | U | 0.561 | ug/L | | | | | | |
| n-Nitrosodiphenylamine | <0.561 | U | 0.561 | ug/L | | | | | | |
| Pentachlorophenol | <1.12 | U | 1.12 | ug/L | | | | | | |
| Phenanthrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| Phenol, Total | 1.12 | | 1.12 | ug/L | | | | | | |
| Pyrene | <0.561 | U | 0.561 | ug/L | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.73* | *ug/L* | *9.98* | | *97.5* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *22.1* | *ug/L* | *20.0* | | *111* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *21.6* | *ug/L* | *20.0* | | *108* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *7.96* | *ug/L* | *9.98* | | *79.8* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *25.5* | *ug/L* | *20.0* | | *128* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.85* | *ug/L* | *9.98* | | *88.7* | *51.9-147* | | |
| **MDL BENZ (BGB0925-MRL1)** | | | | | Prepared: 2/7/2023 Analyzed: 2/10/2023 | | | | | |
| 3,3'-Dichlorobenzidine | 0.179 | J | 0.562 | ug/L | 0.500 | | 35.8 | | | |
| Benzidine | 0.562 | | 0.562 | ug/L | 0.500 | | 112 | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.09* | *ug/L* | *10.0* | | *90.9* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *19.6* | *ug/L* | *20.0* | | *98.0* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *20.9* | *ug/L* | *20.0* | | *105* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *10.6* | *ug/L* | *10.0* | | *106* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *20.7* | *ug/L* | *20.0* | | *104* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.57* | *ug/L* | *10.0* | | *85.7* | *51.9-147* | | |

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## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL SV (BGB0925-MRL2)** | | | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 0.450 | J | 0.562 | ug/L | 0.500 | | 90.0 | | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 0.668 | | 0.562 | ug/L | 0.500 | | 134 | | | |
| 1,2-Diphenylhydrazine | 0.681 | | 0.562 | ug/L | 0.500 | | 136 | | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 0.431 | J | 0.562 | ug/L | 0.500 | | 86.1 | | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 0.555 | J | 0.562 | ug/L | 0.500 | | 111 | | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 0.770 | | 0.562 | ug/L | 0.500 | | 154 | | | |
| 2,4-Dichlorophenol | 1.23 | | 0.562 | ug/L | 1.00 | | 123 | 50-150 | | |
| 2,4-Dimethylphenol | 1.31 | | 1.12 | ug/L | 1.00 | | 131 | | | |
| 2,4-Dinitrophenol | 1.79 | J | 4.50 | ug/L | 2.50 | | 71.5 | | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 0.373 | J | 0.562 | ug/L | 0.500 | | 74.7 | | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 1.26 | | 0.562 | ug/L | 0.500 | | 253 | | | |
| 2-Chloronaphthalene | 0.568 | | 0.562 | ug/L | 0.500 | | 114 | | | |
| 2-Chlorophenol | 0.665 | J | 1.12 | ug/L | 1.00 | | 66.5 | | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 0.691 | J | 1.12 | ug/L | 1.00 | | 69.1 | | | |
| 2-Nitrophenol | 1.40 | | 1.12 | ug/L | 1.00 | | 140 | | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 0.346 | J | 0.562 | ug/L | 0.500 | | 69.1 | | | |
| 4-Chloro-3-methylphenol | 1.15 | | 1.12 | ug/L | 1.00 | | 115 | | | |
| 4-Chlorophenyl phenylether | 0.365 | J | 0.562 | ug/L | 0.500 | | 73.0 | | | |
| 4-Nitrophenol | 4.31 | J | 4.50 | ug/L | 2.50 | | 173 | | | |
| Acenaphthene | 0.546 | J | 0.562 | ug/L | 0.500 | | 109 | | | |
| Acenaphthylene | 0.762 | | 0.562 | ug/L | 0.500 | | 152 | | | |
| Anthracene | 0.432 | J | 0.562 | ug/L | 0.500 | | 86.4 | | | |
| Benzo(a)anthracene | 0.632 | | 0.562 | ug/L | 0.500 | | 126 | | | |
| Benzo(a)pyrene | 0.560 | J | 0.562 | ug/L | 0.500 | | 112 | | | |
| benzo(b&k)fluoranthene | 1.08 | J | 1.12 | ug/L | 1.00 | | 108 | | | |
| Benzo(g,h,i)perylene | 0.438 | J | 0.562 | ug/L | 0.500 | | 87.5 | | | |
| bis(2-Chloroethoxy)methane | 0.799 | | 0.562 | ug/L | 0.500 | | 160 | | | |
| bis(2-Chloroethyl) ether | 0.486 | J | 0.562 | ug/L | 0.500 | | 97.2 | | | |
| Bis(2-ethylhexyl )phthalate | 0.668 | | 0.562 | ug/L | 0.500 | | 134 | | | |
| Butyl benzyl phthalate | 0.623 | | 0.562 | ug/L | 0.500 | | 125 | | | |
| Chrysene | 0.400 | J | 0.562 | ug/L | 0.500 | | 80.1 | | | |
| Dibenzo(a,h)anthracene | 0.322 | J | 0.562 | ug/L | 0.500 | | 64.4 | | | |
| Diethyl phthalate | 1.62 | | 0.562 | ug/L | 0.500 | | 324 | | | |
| Dimethyl phthalate | 1.94 | | 0.562 | ug/L | 0.500 | | 388 | | | |
| Di-n-butyl phthalate | 10.4 | | 0.562 | ug/L | 0.500 | | NR | | | |
| Di-n-octyl phthalate | 0.589 | | 0.562 | ug/L | 0.500 | | 118 | | | |
| Fluoranthene | 0.311 | J | 0.562 | ug/L | 0.500 | | 62.2 | | | |
| Fluorene | 0.589 | | 0.562 | ug/L | 0.500 | | 118 | | | |
| Hexachlorobenzene | 0.316 | J | 0.562 | ug/L | 0.500 | | 63.1 | | | |
| Hexachlorobutadiene | 0.263 | J | 0.562 | ug/L | 0.500 | | 52.6 | | | |
| Hexachlorocyclopentadiene | 0.705 | | 0.562 | ug/L | 0.500 | | 141 | | | |
| Hexachloroethane | 0.412 | J | 0.562 | ug/L | 0.500 | | 82.3 | | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MDL SV (BGB0925-MRL2)** | | | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| Indeno(1,2,3-cd) pyrene | 0.378 | J | 0.562 | ug/L | 0.500 | | 75.5 | | | |
| Isophorone | 0.450 | J | 0.562 | ug/L | 0.500 | | 90.0 | | | |
| Naphthalene | 0.565 | | 0.562 | ug/L | 0.500 | | 113 | | | |
| Nitrobenzene | 0.630 | | 0.562 | ug/L | 0.500 | | 126 | | | |
| n-Nitrosodimethylamine | 0.765 | J1, J | 2.25 | ug/L | 2.50 | | 30.6 | 50-150 | | |
| n-Nitrosodi-n-propylamine | 0.848 | | 0.562 | ug/L | 0.500 | | 170 | | | |
| n-Nitrosodiphenylamine | 0.353 | J | 0.562 | ug/L | 0.500 | | 70.6 | | | |
| Pentachlorophenol | 0.618 | J | 1.12 | ug/L | 1.00 | | 61.8 | | | |
| Phenanthrene | 0.479 | J | 0.562 | ug/L | 0.500 | | 95.9 | | | |
| Phenol, Total | 1.68 | | 1.12 | ug/L | 1.00 | | 168 | | | |
| Pyrene | 0.403 | J | 0.562 | ug/L | 0.500 | | 80.7 | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.68* | *ug/L* | *10.0* | | *96.8* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.3* | *ug/L* | *20.0* | | *116* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *19.4* | *ug/L* | *20.0* | | *97.0* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *8.46* | *ug/L* | *10.0* | | *84.6* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.9* | *ug/L* | *20.0* | | *120* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *9.56* | *ug/L* | *10.0* | | *95.6* | *51.9-147* | | |
| **23A1459-09 MS (BGB0925-MS1)** | | **Source: 23A1459-09RE1** | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| 1,2,4-Trichlorobenzene | 10.2 | | 0.562 | ug/L | 10.0 | <0.562 | 102 | 35.3-142 | | |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 8.87 | | 0.562 | ug/L | 10.0 | <0.562 | 88.7 | 31.4-142 | | |
| 1,2-Diphenylhydrazine | 8.61 | | 0.562 | ug/L | 10.0 | <0.562 | 86.1 | 48.9-156 | | |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 8.06 | | 0.562 | ug/L | 10.0 | <0.562 | 80.6 | 30.5-135 | | |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 9.35 | | 0.562 | ug/L | 10.0 | <0.562 | 93.5 | 37.2-133 | | |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 9.81 | | 0.562 | ug/L | 10.0 | <0.562 | 98.1 | 41.7-151 | | |
| 2,4-Dichlorophenol | 21.7 | | 0.562 | ug/L | 20.0 | <0.562 | 108 | 42.7-158 | | |
| 2,4-Dimethylphenol | 21.8 | | 1.12 | ug/L | 20.0 | <1.12 | 109 | 38.4-170 | | |
| 2,4-Dinitrophenol | 55.2 | | 4.50 | ug/L | 50.0 | <4.50 | 110 | 60-140 | | |
| 2,4-Dinitrotoluene (2,4-DNT) | 9.87 | | 0.562 | ug/L | 10.0 | <0.562 | 98.7 | 50.3-144 | | |
| 2,6-Dinitrotoluene (2,6-DNT) | 12.0 | | 0.562 | ug/L | 10.0 | <0.562 | 120 | 43.7-157 | | |
| 2-Chloronaphthalene | 9.60 | | 0.562 | ug/L | 10.0 | <0.562 | 96.0 | 27.4-158 | | |
| 2-Chlorophenol | 13.1 | | 1.12 | ug/L | 20.0 | <1.12 | 65.6 | 49.2-150 | | |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 24.8 | | 1.12 | ug/L | 20.0 | <1.12 | 124 | 41.9-153 | | |
| 2-Nitrophenol | 20.0 | | 1.12 | ug/L | 20.0 | <1.12 | 100 | 51.9-150 | | |
| 4-Bromophenyl phenyl ether (BDE-3) | 9.74 | | 0.562 | ug/L | 10.0 | <0.562 | 97.4 | 45.2-146 | | |
| 4-Chloro-3-methylphenol | 18.3 | | 1.12 | ug/L | 20.0 | <1.12 | 91.6 | 46.9-147 | | |
| 4-Chlorophenyl phenylether | 8.17 | | 0.562 | ug/L | 10.0 | <0.562 | 81.7 | 44.5-143 | | |
| 4-Nitrophenol | 37.5 | | 4.50 | ug/L | 50.0 | <4.50 | 75.1 | 2-173 | | |
| Acenaphthene | 10.3 | | 0.562 | ug/L | 10.0 | 1.29 | 90.5 | 47.3-149 | | |
| Acenaphthylene | 10.5 | | 0.562 | ug/L | 10.0 | 0.579 | 99.1 | 56.5-173 | | |
| Anthracene | 10.5 | | 0.562 | ug/L | 10.0 | <0.562 | 105 | 49.7-160 | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **23A1459-09 MS (BGB0925-MS1)** | | | **Source: 23A1459-09RE1** | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| Benzo(a)anthracene | 10.6 | | 0.562 | ug/L | 10.0 | <0.562 | 106 | 41.7-151 | | |
| Benzo(a)pyrene | 10.0 | | 0.562 | ug/L | 10.0 | <0.562 | 100 | 45.4-133 | | |
| benzo(b&k)fluoranthene | 20.8 | | 1.12 | ug/L | 20.0 | <1.12 | 104 | 55.3-137 | | |
| Benzo(g,h,i)perylene | 10.1 | | 0.562 | ug/L | 10.0 | <0.562 | 101 | 37.9-152 | | |
| bis(2-Chloroethoxy)methane | 10.2 | | 0.562 | ug/L | 10.0 | <0.562 | 102 | 40.1-151 | | |
| bis(2-Chloroethyl) ether | 11.9 | | 0.562 | ug/L | 10.0 | <0.562 | 119 | 45.9-163 | | |
| Bis(2-ethylhexyl )phthalate | 9.41 | | 0.562 | ug/L | 10.0 | <0.562 | 94.1 | 38.3-135 | | |
| Butyl benzyl phthalate | 9.46 | | 0.562 | ug/L | 10.0 | <0.562 | 94.6 | 41.1-148 | | |
| Chrysene | 8.86 | | 0.562 | ug/L | 10.0 | <0.562 | 88.6 | 51-147 | | |
| Dibenzo(a,h)anthracene | 10.7 | | 0.562 | ug/L | 10.0 | <0.562 | 107 | 27.5-156 | | |
| Diethyl phthalate | 9.09 | | 0.562 | ug/L | 10.0 | 0.898 | 81.9 | 53.4-146 | | |
| Dimethyl phthalate | 8.49 | | 0.562 | ug/L | 10.0 | <0.562 | 84.9 | 53-151 | | |
| Di-n-butyl phthalate | 18.4 | | 0.562 | ug/L | 10.0 | 7.87 | 105 | 25.4-168 | | |
| Di-n-octyl phthalate | 9.54 | | 0.562 | ug/L | 10.0 | <0.562 | 95.4 | 39.2-123 | | |
| Fluoranthene | 9.92 | | 0.562 | ug/L | 10.0 | <0.562 | 99.2 | 45.3-156 | | |
| Fluorene | 12.7 | | 0.562 | ug/L | 10.0 | 3.55 | 91.9 | 56.3-145 | | |
| Hexachlorobenzene | 8.96 | | 0.562 | ug/L | 10.0 | <0.562 | 89.6 | 56.1-137 | | |
| Hexachlorobutadiene | 8.45 | | 0.562 | ug/L | 10.0 | <0.562 | 84.5 | 33.1-110 | | |
| Hexachlorocyclopentadiene | 11.1 | | 0.562 | ug/L | 10.0 | <0.562 | 111 | 2-179 | | |
| Hexachloroethane | 8.48 | | 0.562 | ug/L | 10.0 | <0.562 | 84.8 | 36.2-106 | | |
| Indeno(1,2,3-cd) pyrene | 10.2 | | 0.562 | ug/L | 10.0 | <0.562 | 102 | 33.4-153 | | |
| Isophorone | 8.27 | | 0.562 | ug/L | 10.0 | <0.562 | 82.7 | 43.3-154 | | |
| Naphthalene | 10.4 | | 0.562 | ug/L | 10.0 | <0.562 | 104 | 45.1-153 | | |
| Nitrobenzene | 9.96 | | 0.562 | ug/L | 10.0 | <0.562 | 99.6 | 54.9-156 | | |
| n-Nitrosodimethylamine | 4.94 | | 2.25 | ug/L | 50.0 | <2.25 | 9.88 | 2-56.4 | | |
| n-Nitrosodi-n-propylamine | 8.99 | | 0.562 | ug/L | 10.0 | <0.562 | 89.9 | 38.3-160 | | |
| n-Nitrosodiphenylamine | 17.7 | J1 | 0.562 | ug/L | 10.0 | <0.562 | 177 | 38.1-163 | | |
| Pentachlorophenol | 20.2 | | 1.12 | ug/L | 20.0 | <1.12 | 101 | 42.2-151 | | |
| Phenanthrene | 11.4 | | 0.562 | ug/L | 10.0 | 1.08 | 103 | 45.3-165 | | |
| Phenol, Total | 22.8 | | 1.12 | ug/L | 20.0 | <1.12 | 114 | 39.8-164 | | |
| Pyrene | 9.73 | | 0.562 | ug/L | 10.0 | <0.562 | 97.3 | 46.3-149 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *9.49* | *ug/L* | *10.0* | | *94.9* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *23.0* | *ug/L* | *20.0* | | *115* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *17.0* | *ug/L* | *20.0* | | *84.9* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *8.50* | *ug/L* | *10.0* | | *85.0* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *23.8* | *ug/L* | *20.0* | | *119* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *7.76* | *ug/L* | *10.0* | | *77.6* | *51.9-147* | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **23A1459-09 MSD (BGB0925-MSD1)** | **Source: 23A1459-09RE1** | | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | | |
| 1,2,4-Trichlorobenzene | 10.3 | | 0.562 | ug/L | 10.0 | <0.562 | 103 | 35.3-142 | 1.59 | 40 |
| 1,2-Dichlorobenzene (o-Dichlorobenzene) | 9.23 | | 0.562 | ug/L | 10.0 | <0.562 | 92.3 | 31.4-142 | 4.00 | 40 |
| 1,2-Diphenylhydrazine | 9.45 | | 0.562 | ug/L | 10.0 | <0.562 | 94.5 | 48.9-156 | 9.29 | 40 |
| 1,3-Dichlorobenzene (m-Dichlorobenzene) | 8.18 | | 0.562 | ug/L | 10.0 | <0.562 | 81.8 | 30.5-135 | 1.46 | 40 |
| 1,4-Dichlorobenzene (p-Dichlorobenzene) | 8.96 | | 0.562 | ug/L | 10.0 | <0.562 | 89.6 | 37.2-133 | 4.17 | 40 |
| 2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methy | 10.2 | | 0.562 | ug/L | 10.0 | <0.562 | 102 | 41.7-151 | 3.64 | 40 |
| 2,4-Dichlorophenol | 22.0 | | 0.562 | ug/L | 20.0 | <0.562 | 110 | 42.7-158 | 1.35 | 40 |
| 2,4-Dimethylphenol | 22.8 | | 1.12 | ug/L | 20.0 | <1.12 | 114 | 38.4-170 | 4.53 | 40 |
| 2,4-Dinitrophenol | 65.3 | | 4.50 | ug/L | 50.0 | <4.50 | 131 | 60-140 | 16.9 | 40 |
| 2,4-Dinitrotoluene (2,4-DNT) | 10.9 | | 0.562 | ug/L | 10.0 | <0.562 | 109 | 50.3-144 | 9.47 | 40 |
| 2,6-Dinitrotoluene (2,6-DNT) | 11.3 | | 0.562 | ug/L | 10.0 | <0.562 | 113 | 43.7-157 | 5.92 | 40 |
| 2-Chloronaphthalene | 10.8 | | 0.562 | ug/L | 10.0 | <0.562 | 108 | 27.4-158 | 12.1 | 40 |
| 2-Chlorophenol | 14.3 | | 1.12 | ug/L | 20.0 | <1.12 | 71.4 | 49.2-150 | 8.36 | 40 |
| 2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylph | 25.3 | | 1.12 | ug/L | 20.0 | <1.12 | 127 | 41.9-153 | 2.12 | 40 |
| 2-Nitrophenol | 20.9 | | 1.12 | ug/L | 20.0 | <1.12 | 104 | 51.9-150 | 4.12 | 40 |
| 4-Bromophenyl phenyl ether (BDE-3) | 9.95 | | 0.562 | ug/L | 10.0 | <0.562 | 99.5 | 45.2-146 | 2.07 | 40 |
| 4-Chloro-3-methylphenol | 20.9 | | 1.12 | ug/L | 20.0 | <1.12 | 104 | 46.9-147 | 13.1 | 40 |
| 4-Chlorophenyl phenylether | 9.11 | | 0.562 | ug/L | 10.0 | <0.562 | 91.1 | 44.5-143 | 10.9 | 40 |
| 4-Nitrophenol | 39.1 | | 4.50 | ug/L | 50.0 | <4.50 | 78.1 | 2-173 | 3.97 | 40 |
| Acenaphthene | 11.1 | | 0.562 | ug/L | 10.0 | 1.29 | 97.9 | 47.3-149 | 6.85 | 40 |
| Acenaphthylene | 12.0 | | 0.562 | ug/L | 10.0 | 0.579 | 114 | 56.5-173 | 13.1 | 40 |
| Anthracene | 10.4 | | 0.562 | ug/L | 10.0 | <0.562 | 104 | 49.7-160 | 1.28 | 40 |
| Benzo(a)anthracene | 11.1 | | 0.562 | ug/L | 10.0 | <0.562 | 111 | 41.7-151 | 4.49 | 40 |
| Benzo(a)pyrene | 10.4 | | 0.562 | ug/L | 10.0 | <0.562 | 104 | 45.4-133 | 4.28 | 40 |
| benzo(b&k)fluoranthene | 21.5 | | 1.12 | ug/L | 20.0 | <1.12 | 108 | 55.3-137 | 3.42 | 40 |
| Benzo(g,h,i)perylene | 10.2 | | 0.562 | ug/L | 10.0 | <0.562 | 102 | 37.9-152 | 1.37 | 40 |
| bis(2-Chloroethoxy)methane | 10.4 | | 0.562 | ug/L | 10.0 | <0.562 | 104 | 40.1-151 | 1.83 | 40 |
| bis(2-Chloroethyl) ether | 12.2 | | 0.562 | ug/L | 10.0 | <0.562 | 122 | 45.9-163 | 2.79 | 40 |
| Bis(2-ethylhexyl )phthalate | 9.07 | | 0.562 | ug/L | 10.0 | <0.562 | 90.7 | 38.3-135 | 3.66 | 40 |
| Butyl benzyl phthalate | 10.0 | | 0.562 | ug/L | 10.0 | <0.562 | 100 | 41.1-148 | 6.03 | 40 |
| Chrysene | 9.19 | | 0.562 | ug/L | 10.0 | <0.562 | 91.9 | 51-147 | 3.68 | 40 |
| Dibenzo(a,h)anthracene | 10.6 | | 0.562 | ug/L | 10.0 | <0.562 | 106 | 27.5-156 | 0.459 | 40 |
| Diethyl phthalate | 10.6 | | 0.562 | ug/L | 10.0 | 0.898 | 97.3 | 53.4-146 | 15.6 | 40 |
| Dimethyl phthalate | 10.7 | | 0.562 | ug/L | 10.0 | <0.562 | 107 | 53-151 | 22.6 | 40 |
| Di-n-butyl phthalate | 18.4 | | 0.562 | ug/L | 10.0 | 7.87 | 106 | 25.4-168 | 0.246 | 40 |
| Di-n-octyl phthalate | 9.80 | | 0.562 | ug/L | 10.0 | <0.562 | 98.0 | 39.2-123 | 2.67 | 40 |
| Fluoranthene | 10.4 | | 0.562 | ug/L | 10.0 | <0.562 | 104 | 45.3-156 | 4.68 | 40 |
| Fluorene | 14.2 | | 0.562 | ug/L | 10.0 | 3.55 | 107 | 56.3-145 | 11.0 | 40 |
| Hexachlorobenzene | 9.33 | | 0.562 | ug/L | 10.0 | <0.562 | 93.3 | 56.1-137 | 4.02 | 40 |
| Hexachlorobutadiene | 7.44 | | 0.562 | ug/L | 10.0 | <0.562 | 74.4 | 33.1-110 | 12.7 | 40 |
| Hexachlorocyclopentadiene | 11.0 | | 0.562 | ug/L | 10.0 | <0.562 | 110 | 2-179 | 0.764 | 40 |
| Hexachloroethane | 7.33 | | 0.562 | ug/L | 10.0 | <0.562 | 73.3 | 36.2-106 | 14.5 | 40 |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0925 - SW-3511 (Continued)*** | | | | | | | | | | |
| **23A1459-09 MSD (BGB0925-MSD1)** | | | **Source: 23A1459-09RE1** | | Prepared: 2/7/2023 Analyzed: 2/14/2023 | | | | | |
| Indeno(1,2,3-cd) pyrene | 10.4 | | 0.562 | ug/L | 10.0 | <0.562 | 104 | 33.4-153 | 1.51 | 40 |
| Isophorone | 8.72 | | 0.562 | ug/L | 10.0 | <0.562 | 87.2 | 43.3-154 | 5.34 | 40 |
| Naphthalene | 10.6 | | 0.562 | ug/L | 10.0 | <0.562 | 106 | 45.1-153 | 2.45 | 40 |
| Nitrobenzene | 11.1 | | 0.562 | ug/L | 10.0 | <0.562 | 111 | 54.9-156 | 10.9 | 40 |
| n-Nitrosodimethylamine | 5.48 | | 2.25 | ug/L | 50.0 | <2.25 | 11.0 | 2-56.4 | 10.3 | 40 |
| n-Nitrosodi-n-propylamine | 9.28 | | 0.562 | ug/L | 10.0 | <0.562 | 92.8 | 38.3-160 | 3.25 | 40 |
| n-Nitrosodiphenylamine | 13.1 | | 0.562 | ug/L | 10.0 | <0.562 | 131 | 38.1-163 | 29.8 | 40 |
| Pentachlorophenol | 21.8 | | 1.12 | ug/L | 20.0 | <1.12 | 109 | 42.2-151 | 7.59 | 40 |
| Phenanthrene | 11.5 | | 0.562 | ug/L | 10.0 | 1.08 | 104 | 45.3-165 | 1.49 | 40 |
| Phenol, Total | 23.3 | | 1.12 | ug/L | 20.0 | <1.12 | 116 | 39.8-164 | 2.29 | 40 |
| Pyrene | 10.0 | | 0.562 | ug/L | 10.0 | <0.562 | 100 | 46.3-149 | 3.01 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *10.2* | *ug/L* | *10.0* | | *102* | *54.6-148* | | |
| *Surrogate: 2-Fluorophenol-surr* | | | *24.1* | *ug/L* | *20.0* | | *121* | *55-152* | | |
| *Surrogate: 2,4,6-Tribromophenol-surr* | | | *18.4* | *ug/L* | *20.0* | | *92.2* | *52.4-136* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *9.53* | *ug/L* | *10.0* | | *95.3* | *52-162* | | |
| *Surrogate: Phenol-d5-surr* | | | *26.0* | *ug/L* | *20.0* | | *130* | *58.7-152* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *8.66* | *ug/L* | *10.0* | | *86.6* | *51.9-147* | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0543 - SW-3511*** | | | | | | | | | | |
| **Blank (BGB0543-BLK1)** | | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Aldrin | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endrin | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.300 | U | 0.300 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.127* | *ug/L* | *0.120* | | *106* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.123* | *ug/L* | *0.120* | | *102* | *60-140* | | |
| **LCS (BGB0543-BS1)** | | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| Toxaphene (Chlorinated Camphene) | 1.33 | | 0.300 | ug/L | 1.20 | | 111 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.105* | *ug/L* | *0.120* | | *87.3* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.118* | *ug/L* | *0.120* | | *98.7* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0543 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS (BGB0543-BS2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| 4,4'-DDD | 0.0992 | | 0.00600 | ug/L | 0.120 | | 82.6 | 60-140 | | |
| 4,4'-DDE | 0.0973 | | 0.00600 | ug/L | 0.120 | | 81.0 | 60-140 | | |
| 4,4'-DDT | 0.102 | | 0.00600 | ug/L | 0.120 | | 85.2 | 60-140 | | |
| Aldrin | 0.0847 | | 0.00600 | ug/L | 0.120 | | 70.6 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.108 | | 0.00600 | ug/L | 0.120 | | 89.8 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0957 | | 0.00600 | ug/L | 0.120 | | 79.7 | 60-140 | | |
| Chlordane (tech.) | 0.348 | | 0.00600 | ug/L | 0.480 | | 72.5 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0881 | | 0.00600 | ug/L | 0.120 | | 73.5 | 60-140 | | |
| delta-BHC | 0.101 | | 0.00600 | ug/L | 0.120 | | 83.8 | 60-140 | | |
| Dieldrin | 0.102 | | 0.00600 | ug/L | 0.120 | | 85.2 | 60-140 | | |
| Endosulfan I | 0.0856 | | 0.00600 | ug/L | 0.120 | | 71.3 | 60-140 | | |
| Endosulfan II | 0.0996 | | 0.00600 | ug/L | 0.120 | | 83.0 | 60-140 | | |
| Endosulfan sulfate | 0.103 | | 0.00600 | ug/L | 0.120 | | 85.5 | 60-140 | | |
| Endrin | 0.0992 | | 0.00600 | ug/L | 0.120 | | 82.6 | 60-140 | | |
| Endrin aldehyde | 0.105 | | 0.00600 | ug/L | 0.120 | | 87.4 | 60-140 | | |
| Endrin ketone | 0.110 | | 0.00600 | ug/L | 0.120 | | 92.0 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0981 | | 0.00600 | ug/L | 0.120 | | 81.8 | 60-140 | | |
| gamma-Chlordane | 0.0846 | | 0.00600 | ug/L | 0.120 | | 70.5 | 60-140 | | |
| Heptachlor | 0.0892 | | 0.00600 | ug/L | 0.120 | | 74.3 | 60-140 | | |
| Heptachlor epoxide | 0.0861 | | 0.00600 | ug/L | 0.120 | | 71.8 | 60-140 | | |
| Methoxychlor | 0.103 | | 0.00600 | ug/L | 0.120 | | 85.7 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0939* | *ug/L* | *0.120* | | *78.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.117* | *ug/L* | *0.120* | | *97.3* | *60-140* | | |
| **LCS Dup (BGB0543-BSD1)** | | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| Toxaphene (Chlorinated Camphene) | 1.33 | | 0.300 | ug/L | 1.20 | | 111 | 60-140 | 0.0862 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.103* | *ug/L* | *0.120* | | *85.4* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.117* | *ug/L* | *0.120* | | *97.6* | *60-140* | | |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0543 - SW-3511 (Continued)*** | | | | | | | | | | |
| **LCS Dup (BGB0543-BSD2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| 4,4'-DDD | 0.104 | | 0.00600 | ug/L | 0.120 | | 86.8 | 60-140 | 4.86 | 40 |
| 4,4'-DDE | 0.110 | | 0.00600 | ug/L | 0.120 | | 92.1 | 60-140 | 12.7 | 40 |
| 4,4'-DDT | 0.103 | | 0.00600 | ug/L | 0.120 | | 85.4 | 60-140 | 0.240 | 40 |
| Aldrin | 0.0999 | | 0.00600 | ug/L | 0.120 | | 83.3 | 60-140 | 16.5 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.123 | | 0.00600 | ug/L | 0.120 | | 102 | 60-140 | 13.1 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.110 | | 0.00600 | ug/L | 0.120 | | 91.6 | 60-140 | 13.9 | 40 |
| Chlordane (tech.) | 0.395 | | 0.00600 | ug/L | 0.480 | | 82.3 | 60-140 | 12.6 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.100 | | 0.00600 | ug/L | 0.120 | | 83.7 | 60-140 | 13.0 | 40 |
| delta-BHC | 0.113 | | 0.00600 | ug/L | 0.120 | | 94.2 | 60-140 | 11.6 | 40 |
| Dieldrin | 0.110 | | 0.00600 | ug/L | 0.120 | | 91.8 | 60-140 | 7.37 | 40 |
| Endosulfan I | 0.0948 | | 0.00600 | ug/L | 0.120 | | 79.0 | 60-140 | 10.2 | 40 |
| Endosulfan II | 0.101 | | 0.00600 | ug/L | 0.120 | | 84.1 | 60-140 | 1.33 | 40 |
| Endosulfan sulfate | 0.0997 | | 0.00600 | ug/L | 0.120 | | 83.1 | 60-140 | 2.88 | 40 |
| Endrin | 0.102 | | 0.00600 | ug/L | 0.120 | | 84.8 | 60-140 | 2.53 | 40 |
| Endrin aldehyde | 0.116 | | 0.00600 | ug/L | 0.120 | | 97.0 | 60-140 | 10.4 | 40 |
| Endrin ketone | 0.0966 | | 0.00600 | ug/L | 0.120 | | 80.5 | 60-140 | 13.3 | 40 |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.116 | | 0.00600 | ug/L | 0.120 | | 96.8 | 60-140 | 16.9 | 40 |
| gamma-Chlordane | 0.0961 | | 0.00600 | ug/L | 0.120 | | 80.1 | 60-140 | 12.7 | 40 |
| Heptachlor | 0.102 | | 0.00600 | ug/L | 0.120 | | 85.4 | 60-140 | 13.8 | 40 |
| Heptachlor epoxide | 0.0960 | | 0.00600 | ug/L | 0.120 | | 80.0 | 60-140 | 10.8 | 40 |
| Methoxychlor | 0.103 | | 0.00600 | ug/L | 0.120 | | 85.8 | 60-140 | 0.163 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.119* | *ug/L* | *0.120* | | *99.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.104* | *ug/L* | *0.120* | | *87.1* | *60-140* | | |
| **BGA3905-BLK1 (BGB0543-LBK1)** | | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| 4,4'-DDD | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| 4,4'-DDE | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| 4,4'-DDT | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Aldrin | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| delta-BHC | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Dieldrin | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endosulfan I | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endosulfan II | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endrin | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endrin aldehyde | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Endrin ketone | <0.00600 | U | 0.00600 | ug/L | | | | | | |

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# Quality Control
**(Continued)**

## Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0543 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BGA3905-BLK1 (BGB0543-LBK1)** | | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| gamma-Chlordane | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Heptachlor | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Methoxychlor | <0.00600 | U | 0.00600 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.300 | U | 0.300 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.108* | *ug/L* | *0.120* | | *90.2* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0246* | *ug/L* | *0.120* | | *20.5* | *60-140* | | |
| **BGB0310-BLK1 (BGB0543-LBK2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/9/2023 | | | | | |
| 4,4'-DDD | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDE | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| 4,4'-DDT | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Aldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| beta-BHC (beta-Hexachlorocyclohexane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Chlordane (tech.) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| cis-Chlordane (alpha-Chlordane) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| delta-BHC | 0.00803 | | 0.00598 | ug/L | | | | | | |
| Dieldrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan I | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan II | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endosulfan sulfate | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin aldehyde | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Endrin ketone | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| gamma-Chlordane | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Heptachlor | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Heptachlor epoxide | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Methoxychlor | <0.00598 | U | 0.00598 | ug/L | | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.299 | U | 0.299 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.125* | *ug/L* | *0.120* | | *105* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0384* | *ug/L* | *0.120* | | *32.1* | *60-140* | | |

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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0543 - SW-3511 (Continued)*** | | | | | | | | | | |
| **MRL Check (BGB0543-MRL1)** | | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| Toxaphene (Chlorinated Camphene) | <0.300 | J1, U | 0.300 | ug/L | 0.300 | | | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0979* | *ug/L* | *0.120* | | *81.6* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.113* | *ug/L* | *0.120* | | *94.3* | *60-140* | | |
| **MRL Check (BGB0543-MRL2)** | | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| 4,4'-DDD | 0.00942 | | 0.00600 | ug/L | 0.0120 | | 78.5 | 50-150 | | |
| 4,4'-DDE | 0.0103 | | 0.00600 | ug/L | 0.0120 | | 86.1 | 50-150 | | |
| 4,4'-DDT | 0.0102 | | 0.00600 | ug/L | 0.0120 | | 85.0 | 50-150 | | |
| Aldrin | 0.00929 | | 0.00600 | ug/L | 0.0120 | | 77.4 | 50-150 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0117 | | 0.00600 | ug/L | 0.0120 | | 97.2 | 50-150 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0105 | | 0.00600 | ug/L | 0.0120 | | 87.2 | 50-150 | | |
| Chlordane (tech.) | 0.0392 | | 0.00600 | ug/L | 0.0480 | | 81.6 | 50-150 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0118 | | 0.00600 | ug/L | 0.0120 | | 98.6 | 50-150 | | |
| delta-BHC | <0.00600 | J1, U | 0.00600 | ug/L | 0.0120 | | | 50-150 | | |
| Dieldrin | 0.00965 | | 0.00600 | ug/L | 0.0120 | | 80.4 | 50-150 | | |
| Endosulfan I | 0.00907 | | 0.00600 | ug/L | 0.0120 | | 75.6 | 50-150 | | |
| Endosulfan II | 0.00939 | | 0.00600 | ug/L | 0.0120 | | 78.2 | 50-150 | | |
| Endosulfan sulfate | 0.0100 | | 0.00600 | ug/L | 0.0120 | | 83.6 | 50-150 | | |
| Endrin | 0.00904 | | 0.00600 | ug/L | 0.0120 | | 75.4 | 50-150 | | |
| Endrin aldehyde | 0.0105 | | 0.00600 | ug/L | 0.0120 | | 87.1 | 50-150 | | |
| Endrin ketone | 0.0104 | | 0.00600 | ug/L | 0.0120 | | 86.8 | 50-150 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0101 | | 0.00600 | ug/L | 0.0120 | | 83.9 | 50-150 | | |
| gamma-Chlordane | 0.00822 | | 0.00600 | ug/L | 0.0120 | | 68.5 | 50-150 | | |
| Heptachlor | 0.00988 | | 0.00600 | ug/L | 0.0120 | | 82.4 | 50-150 | | |
| Heptachlor epoxide | 0.00923 | | 0.00600 | ug/L | 0.0120 | | 77.0 | 50-150 | | |
| Methoxychlor | 0.0124 | | 0.00600 | ug/L | 0.0120 | | 103 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.122* | *ug/L* | *0.120* | | *102* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.113* | *ug/L* | *0.120* | | *94.3* | *60-140* | | |

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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0543 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB0543-MS1)** | **Source: 23A3576-10** | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| 4,4'-DDD | 0.0525 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 43.8 | 60-140 | | |
| 4,4'-DDE | 0.0353 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 29.4 | 60-140 | | |
| 4,4'-DDT | 0.0248 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 20.7 | 60-140 | | |
| Aldrin | 0.0441 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 36.7 | 60-140 | | |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0953 | | 0.00600 | ug/L | 0.120 | <0.00600 | 79.5 | 60-140 | | |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0956 | | 0.00600 | ug/L | 0.120 | <0.00600 | 79.6 | 60-140 | | |
| Chlordane (tech.) | 0.239 | J1 | 0.00600 | ug/L | 0.480 | <0.00600 | 49.7 | 60-140 | | |
| cis-Chlordane (alpha-Chlordane) | 0.0559 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 46.6 | 60-140 | | |
| delta-BHC | 0.104 | | 0.00600 | ug/L | 0.120 | <0.00600 | 86.6 | 60-140 | | |
| Dieldrin | 0.0842 | | 0.00600 | ug/L | 0.120 | <0.00600 | 70.2 | 60-140 | | |
| Endosulfan I | 0.0723 | | 0.00600 | ug/L | 0.120 | <0.00600 | 60.2 | 60-140 | | |
| Endosulfan II | 0.0812 | | 0.00600 | ug/L | 0.120 | <0.00600 | 67.6 | 60-140 | | |
| Endosulfan sulfate | 0.0907 | | 0.00600 | ug/L | 0.120 | <0.00600 | 75.6 | 60-140 | | |
| Endrin | 0.0811 | | 0.00600 | ug/L | 0.120 | <0.00600 | 67.6 | 60-140 | | |
| Endrin aldehyde | 0.0884 | | 0.00600 | ug/L | 0.120 | <0.00600 | 73.7 | 60-140 | | |
| Endrin ketone | 0.0921 | | 0.00600 | ug/L | 0.120 | <0.00600 | 76.7 | 60-140 | | |
| gamma-BHC (Lindane, gamma-HexachlorocyclohexanE) | 0.0899 | | 0.00600 | ug/L | 0.120 | <0.00600 | 74.9 | 60-140 | | |
| gamma-Chlordane | 0.0479 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 39.9 | 60-140 | | |
| Heptachlor | 0.0610 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 50.8 | 60-140 | | |
| Heptachlor epoxide | 0.0739 | | 0.00600 | ug/L | 0.120 | <0.00600 | 61.6 | 60-140 | | |
| Methoxychlor | 0.0260 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 21.7 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0862* | *ug/L* | *0.120* | | *71.9* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0236* | *ug/L* | *0.120* | | *19.7* | *60-140* | | |
| **Matrix Spike Dup (BGB0543-MSD1)** | **Source: 23A3576-10** | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| 4,4'-DDD | 0.0464 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 38.7 | 60-140 | 12.3 | 40 |
| 4,4'-DDE | 0.0305 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 25.4 | 60-140 | 14.8 | 40 |
| 4,4'-DDT | 0.0249 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 20.7 | 60-140 | 0.193 | 40 |
| Aldrin | 0.0401 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 33.4 | 60-140 | 9.39 | 40 |
| alpha-BHC (alpha-Hexachlorocyclohexane) | 0.0975 | | 0.00600 | ug/L | 0.120 | <0.00600 | 81.2 | 60-140 | 2.23 | 40 |
| beta-BHC (beta-Hexachlorocyclohexane) | 0.0959 | | 0.00600 | ug/L | 0.120 | <0.00600 | 79.9 | 60-140 | 0.382 | 40 |
| Chlordane (tech.) | 0.226 | J1 | 0.00600 | ug/L | 0.480 | <0.00600 | 47.2 | 60-140 | 5.26 | 40 |
| cis-Chlordane (alpha-Chlordane) | 0.0524 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 43.7 | 60-140 | 6.42 | 40 |
| delta-BHC | 0.103 | | 0.00600 | ug/L | 0.120 | <0.00600 | 85.9 | 60-140 | 0.794 | 40 |
| Dieldrin | 0.0813 | | 0.00600 | ug/L | 0.120 | <0.00600 | 67.7 | 60-140 | 3.57 | 40 |
| Endosulfan I | 0.0735 | | 0.00600 | ug/L | 0.120 | <0.00600 | 61.3 | 60-140 | 1.75 | 40 |
| Endosulfan II | 0.0836 | | 0.00600 | ug/L | 0.120 | <0.00600 | 69.7 | 60-140 | 2.95 | 40 |
| Endosulfan sulfate | 0.0932 | | 0.00600 | ug/L | 0.120 | <0.00600 | 77.6 | 60-140 | 2.68 | 40 |
| Endrin | 0.0814 | | 0.00600 | ug/L | 0.120 | <0.00600 | 67.9 | 60-140 | 0.413 | 40 |
| Endrin aldehyde | 0.0951 | | 0.00600 | ug/L | 0.120 | <0.00600 | 79.3 | 60-140 | 7.34 | 40 |
| Endrin ketone | 0.0947 | | 0.00600 | ug/L | 0.120 | <0.00600 | 79.0 | 60-140 | 2.85 | 40 |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0543 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BGB0543-MSD1)** | **Source: 23A3576-10** | | | | Prepared: 2/3/2023 Analyzed: 2/8/2023 | | | | | |
| gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | 0.0937 | | 0.00600 | ug/L | 0.120 | <0.00600 | 78.0 | 60-140 | 4.11 | 40 |
| gamma-Chlordane | 0.0446 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 37.1 | 60-140 | 7.17 | 40 |
| Heptachlor | 0.0563 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 46.9 | 60-140 | 8.05 | 40 |
| Heptachlor epoxide | 0.0732 | | 0.00600 | ug/L | 0.120 | <0.00600 | 61.0 | 60-140 | 0.971 | 40 |
| Methoxychlor | 0.0311 | J1 | 0.00600 | ug/L | 0.120 | <0.00600 | 25.9 | 60-140 | 17.8 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.0804* | *ug/L* | *0.120* | | *67.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0196* | *ug/L* | *0.120* | | *16.4* | *60-140* | | |
| ***Batch: BGB1127 - SW-3511*** | | | | | | | | | | |
| **Blank (BGB1127-BLK1)** | | | | | Prepared: 2/8/2023 Analyzed: 2/17/2023 | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.161* | *ug/L* | *0.120* | | *134* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.123* | *ug/L* | *0.120* | | *103* | *60-140* | | |
| **LCS (BGB1127-BS1)** | | | | | Prepared: 2/8/2023 Analyzed: 2/17/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.28 | | 0.120 | ug/L | 1.20 | | 106 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 0.977 | | 0.120 | ug/L | 1.20 | | 81.4 | 60-140 | | |
| PCBs, Total | 1.00 | | 0.120 | ug/L | 1.20 | | 83.5 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.152* | *ug/L* | *0.120* | | *126* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.118* | *ug/L* | *0.120* | | *98.7* | *60-140* | | |
| **LCS Dup (BGB1127-BSD1)** | | | | | Prepared: 2/8/2023 Analyzed: 2/17/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.19 | | 0.120 | ug/L | 1.20 | | 99.1 | 60-140 | 7.19 | 40 |
| Aroclor-1260 (PCB-1260) | 0.989 | | 0.120 | ug/L | 1.20 | | 82.4 | 60-140 | 1.18 | 40 |
| PCBs, Total | 1.01 | | 0.120 | ug/L | 1.20 | | 83.9 | 60-140 | 0.378 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.150* | *ug/L* | *0.120* | | *125* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.130* | *ug/L* | *0.120* | | *108* | *60-140* | | |

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| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB1127 - SW-3511 (Continued)*** | | | | | | | | | | |
| **BGA3905-BLK1 (BGB1127-LBK1)** | | | | | Prepared: 2/8/2023 Analyzed: 2/17/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1221 (PCB-1221) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1232 (PCB-1232) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1242 (PCB-1242) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1248 (PCB-1248) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1254 (PCB-1254) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1260 (PCB-1260) | <0.120 | U | 0.120 | ug/L | | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.166* | *ug/L* | *0.120* | | *138* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0291* | *ug/L* | *0.120* | | *24.2* | *60-140* | | |
| **BGB0310-BLK1 (BGB1127-LBK2)** | | | | | Prepared: 2/8/2023 Analyzed: 2/17/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1221 (PCB-1221) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1232 (PCB-1232) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1242 (PCB-1242) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1248 (PCB-1248) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1254 (PCB-1254) | <0.120 | U | 0.120 | ug/L | | | | | | |
| Aroclor-1260 (PCB-1260) | <0.120 | U | 0.120 | ug/L | | | | | | |
| PCBs, Total | <0.120 | U | 0.120 | ug/L | | | | | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | *S* | *0.174* | *ug/L* | *0.120* | | *146* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0495* | *ug/L* | *0.120* | | *41.4* | *60-140* | | |
| **MRL Check (BGB1127-MRL1)** | | | | | Prepared: 2/8/2023 Analyzed: 2/17/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 0.381 | J1 | 0.120 | ug/L | 0.240 | | 159 | 50-150 | | |
| Aroclor-1260 (PCB-1260) | 0.207 | | 0.120 | ug/L | 0.240 | | 86.4 | 50-150 | | |
| PCBs, Total | 0.225 | | 0.120 | ug/L | 0.240 | | 93.6 | 50-150 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.151* | *ug/L* | *0.120* | | *126* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | | *0.125* | *ug/L* | *0.120* | | *104* | *60-140* | | |

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## Quality Control
**(Continued)**

### Elutriate Organics by GC (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB1127 - SW-3511 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB1127-MS1)** | | **Source: 23A3576-11** | | | Prepared: 2/8/2023 Analyzed: 2/17/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.12 | | 0.120 | ug/L | 1.20 | <0.120 | 93.3 | 60-140 | | |
| Aroclor-1260 (PCB-1260) | 0.340 | J1 | 0.120 | ug/L | 1.20 | <0.120 | 28.3 | 60-140 | | |
| PCBs, Total | 0.409 | J1 | 0.120 | ug/L | 1.20 | <0.120 | 34.1 | 60-140 | | |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.115* | *ug/L* | *0.120* | | *95.5* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0406* | *ug/L* | *0.120* | | *33.9* | *60-140* | | |
| **Matrix Spike Dup (BGB1127-MSD1)** | | **Source: 23A3576-11** | | | Prepared: 2/8/2023 Analyzed: 2/17/2023 | | | | | |
| Aroclor-1016 (PCB-1016) | 1.01 | | 0.120 | ug/L | 1.20 | <0.120 | 84.4 | 60-140 | 10.1 | 40 |
| Aroclor-1260 (PCB-1260) | 0.303 | J1 | 0.120 | ug/L | 1.20 | <0.120 | 25.2 | 60-140 | 11.6 | 40 |
| PCBs, Total | 0.367 | J1 | 0.120 | ug/L | 1.20 | <0.120 | 30.5 | 60-140 | 10.9 | 40 |
| *Surrogate: 2,4,5,6 Tetrachloro-m-xylene-surr* | | | *0.108* | *ug/L* | *0.120* | | *90.0* | *60-140* | | |
| *Surrogate: Decachlorobiphenyl-surr* | | *S* | *0.0391* | *ug/L* | *0.120* | | *32.6* | *60-140* | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0721 - EPA 200.8 Dissolved*** | | | | | | | | | | |
| **Blank (BGB0721-BLK1)** | | | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Arsenic | <0.500 | U | 0.500 | ug/L | | | | | | |
| Chromium | <3.00 | U | 3.00 | ug/L | | | | | | |
| Copper | 0.422 | J | 1.00 | ug/L | | | | | | |
| Lead | <0.500 | U | 0.500 | ug/L | | | | | | |
| Nickel | <1.00 | U | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| Thallium | <0.500 | U | 0.500 | ug/L | | | | | | |
| **Blank (BGB0721-BLK2)** | | | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | | | | | |
| Cadmium | <1.00 | U | 1.00 | ug/L | | | | | | |
| Zinc | <2.00 | U | 2.00 | ug/L | | | | | | |
| **Blank (BGB0721-BLK3)** | | | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Beryllium | <0.200 | U | 0.200 | ug/L | | | | | | |
| **LCS (BGB0721-BS1)** | | | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Arsenic | 49.6 | | 0.500 | ug/L | 50.0 | | 99.2 | 85-115 | | |
| Chromium | 295 | | 3.00 | ug/L | 300 | | 98.2 | 85-115 | | |
| Copper | 104 | | 1.00 | ug/L | 100 | | 104 | 85-115 | | |
| Lead | 51.0 | | 0.500 | ug/L | 50.0 | | 102 | 85-115 | | |
| Nickel | 98.0 | | 1.00 | ug/L | 100 | | 98.0 | 85-115 | | |
| Silver | 53.7 | | 0.500 | ug/L | 50.0 | | 107 | 85-115 | | |
| Thallium | 48.9 | | 0.500 | ug/L | 50.0 | | 97.7 | 85-115 | | |
| **LCS (BGB0721-BS2)** | | | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | 93.4 | | 1.00 | ug/L | 100 | | 93.4 | 85-115 | | |
| Cadmium | 100 | | 1.00 | ug/L | 100 | | 100 | 85-115 | | |
| Zinc | 204 | | 2.00 | ug/L | 200 | | 102 | 85-115 | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0721 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **LCS (BGB0721-BS3)** | | | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Beryllium | 19.0 | | 0.200 | ug/L | 20.0 | | 95.0 | 85-115 | | |
| **Duplicate (BGB0721-DUP1)** | | | **Source: 23A1459-02** | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Arsenic | 1.96 | J | 2.50 | ug/L | | 1.89 | | | 3.43 | 20 |
| Chromium | 1.12 | J | 15.0 | ug/L | | 0.979 | | | 13.1 | 20 |
| Copper | 2.28 | J | 5.00 | ug/L | | 2.09 | | | 8.48 | 20 |
| Lead | 1.19 | J | 2.50 | ug/L | | 1.16 | | | 1.79 | 20 |
| Nickel | 1.24 | J | 5.00 | ug/L | | 1.03 | | | 18.2 | 20 |
| Silver | <2.50 | U | 2.50 | ug/L | | <2.50 | | | | 20 |
| Thallium | <2.50 | U | 2.50 | ug/L | | <2.50 | | | | 20 |
| **Duplicate (BGB0721-DUP2)** | | | **Source: 23A1459-49** | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Lead | <2.50 | U | 2.50 | ug/L | | 0.539 | | | 200 | 20 |
| Thallium | <2.50 | U | 2.50 | ug/L | | <2.50 | | | | 20 |
| **Duplicate (BGB0721-DUP3)** | | | **Source: 23A1459-02** | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Cadmium | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Zinc | 4.71 | J | 10.0 | ug/L | | 4.16 | | | 12.4 | 20 |
| **Duplicate (BGB0721-DUP4)** | | | **Source: 23A1459-49** | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Cadmium | <5.00 | U | 5.00 | ug/L | | <5.00 | | | | 20 |
| Copper | 1.09 | J | 5.00 | ug/L | | 1.31 | | | 18.5 | 20 |
| Silver | <2.50 | U | 2.50 | ug/L | | <2.50 | | | | 20 |
| Zinc | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| **Duplicate (BGB0721-DUP5)** | | | **Source: 23A1459-02** | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Beryllium | <1.00 | U | 1.00 | ug/L | | <1.00 | | | | 20 |

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| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0721 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Duplicate (BGB0721-DUP6)** | | | **Source: 23A1459-49** | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Arsenic | 1.47 | J | 2.50 | ug/L | | 1.23 | | | 17.3 | 20 |
| Chromium | <15.0 | U | 15.0 | ug/L | | <15.0 | | | | 20 |
| Nickel | 0.504 | J | 5.00 | ug/L | | 0.531 | | | 5.22 | 20 |
| **Duplicate (BGB0721-DUPA)** | | | **Source: 23A1459-49** | | Prepared: 2/6/2023 Analyzed: 2/28/2023 | | | | | |
| Beryllium | <1.00 | U | 1.00 | ug/L | | <1.00 | | | | 20 |
| **BGB0310-BLK2 (BGB0721-LBK1)** | | | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Lead | <0.500 | U | 0.500 | ug/L | | | | | | |
| Thallium | <0.500 | U | 0.500 | ug/L | | | | | | |
| **BGB0310-BLK2 (BGB0721-LBK2)** | | | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | <1.00 | U | 1.00 | ug/L | | | | | | |
| Cadmium | <1.00 | U | 1.00 | ug/L | | | | | | |
| Copper | 1.76 | | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| Zinc | 4.82 | | 2.00 | ug/L | | | | | | |
| **BGB0310-BLK2 (BGB0721-LBK3)** | | | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Chromium | 0.222 | J | 3.00 | ug/L | | | | | | |
| Nickel | 0.781 | J | 1.00 | ug/L | | | | | | |
| **BGB0310-BLK2 (BGB0721-LBK5)** | | | | | Prepared: 2/6/2023 Analyzed: 2/22/2023 | | | | | |
| Arsenic | <0.500 | U | 0.500 | ug/L | | | | | | |
| **BGB0310-BLK2 (BGB0721-LBK6)** | | | | | Prepared: 2/6/2023 Analyzed: 2/28/2023 | | | | | |
| Beryllium | 0.0140 | J | 0.200 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0721 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **BGB0310-BLK2 (BGB0721-LBK7)** | | | | | Prepared: 2/6/2023 Analyzed: 3/1/2023 | | | | | |
| Copper | 2.02 | | 1.00 | ug/L | | | | | | |
| Silver | <0.500 | U | 0.500 | ug/L | | | | | | |
| **MDL Check (BGB0721-MRL1)** | | | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Arsenic | 0.124 | J | 0.500 | ug/L | 0.100 | | 124 | | | |
| Chromium | 0.132 | J | 3.00 | ug/L | 0.0800 | | 165 | | | |
| Copper | 0.624 | J | 1.00 | ug/L | 0.200 | | 312 | | | |
| Lead | 0.102 | J | 0.500 | ug/L | 0.100 | | 102 | | | |
| Nickel | 0.0230 | J | 1.00 | ug/L | 0.0500 | | 46.0 | | | |
| Silver | 0.0360 | J | 0.500 | ug/L | 0.0300 | | 120 | | | |
| Thallium | 0.0350 | J | 0.500 | ug/L | 0.0300 | | 117 | | | |
| **MDL Check (BGB0721-MRL2)** | | | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | 0.215 | J | 1.00 | ug/L | 0.200 | | 108 | | | |
| Cadmium | 0.0490 | J | 1.00 | ug/L | 0.0500 | | 98.0 | | | |
| Zinc | 0.196 | J | 2.00 | ug/L | 0.200 | | 98.0 | | | |
| **MDL Check (BGB0721-MRL3)** | | | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Beryllium | 0.0320 | J | 0.200 | ug/L | 0.0100 | | 320 | | | |
| **Matrix Spike (BGB0721-MS1)** | | **Source: 23A1459-02** | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Arsenic | 44.5 | | 2.50 | ug/L | 50.0 | 1.89 | 85.2 | 75-125 | | |
| Chromium | 257 | | 15.0 | ug/L | 300 | 0.979 | 85.3 | 75-125 | | |
| Copper | 77.6 | | 5.00 | ug/L | 100 | 2.09 | 75.5 | 75-125 | | |
| Lead | 39.0 | | 2.50 | ug/L | 50.0 | 1.16 | 75.8 | 75-125 | | |
| Nickel | 73.5 | J1 | 5.00 | ug/L | 100 | 1.03 | 72.4 | 75-125 | | |
| Silver | 39.9 | | 2.50 | ug/L | 50.0 | <2.50 | 79.9 | 75-125 | | |
| Thallium | 38.7 | | 2.50 | ug/L | 50.0 | <2.50 | 77.4 | 75-125 | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0721 - EPA 200.8 Dissolved (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB0721-MS2)** | | **Source: 23A1459-49** | | | Prepared: 2/6/2023 Analyzed: 2/8/2023 | | | | | |
| Lead | 36.0 | J1 | 2.50 | ug/L | 50.0 | 0.539 | 70.9 | 75-125 | | |
| Thallium | 38.1 | | 2.50 | ug/L | 50.0 | <2.50 | 76.3 | 75-125 | | |
| **Matrix Spike (BGB0721-MS3)** | | **Source: 23A1459-02** | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | 94.6 | | 5.00 | ug/L | 100 | <5.00 | 94.6 | 75-125 | | |
| Cadmium | 81.8 | | 5.00 | ug/L | 100 | <5.00 | 81.8 | 75-125 | | |
| Zinc | 167 | | 10.0 | ug/L | 200 | 4.16 | 81.5 | 75-125 | | |
| **Matrix Spike (BGB0721-MS4)** | | **Source: 23A1459-49** | | | Prepared: 2/6/2023 Analyzed: 2/9/2023 | | | | | |
| Antimony | 94.0 | | 5.00 | ug/L | 100 | <5.00 | 94.0 | 75-125 | | |
| Cadmium | 85.7 | | 5.00 | ug/L | 100 | <5.00 | 85.7 | 75-125 | | |
| Copper | 85.0 | | 5.00 | ug/L | 100 | 1.31 | 83.7 | 75-125 | | |
| Silver | 40.7 | | 2.50 | ug/L | 50.0 | <2.50 | 81.5 | 75-125 | | |
| Zinc | 164 | | 10.0 | ug/L | 200 | <10.0 | 81.9 | 75-125 | | |
| **Matrix Spike (BGB0721-MS5)** | | **Source: 23A1459-02** | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Beryllium | 16.3 | | 1.00 | ug/L | 20.0 | <1.00 | 81.4 | 75-125 | | |
| **Matrix Spike (BGB0721-MS6)** | | **Source: 23A1459-49** | | | Prepared: 2/6/2023 Analyzed: 2/14/2023 | | | | | |
| Arsenic | 51.7 | | 2.50 | ug/L | 50.0 | 1.23 | 101 | 75-125 | | |
| Chromium | 279 | | 15.0 | ug/L | 300 | <15.0 | 93.1 | 75-125 | | |
| Nickel | 93.1 | | 5.00 | ug/L | 100 | 0.531 | 92.5 | 75-125 | | |
| **Matrix Spike (BGB0721-MSA)** | | **Source: 23A1459-49** | | | Prepared: 2/6/2023 Analyzed: 2/28/2023 | | | | | |
| Beryllium | 16.6 | | 1.00 | ug/L | 20.0 | <1.00 | 82.8 | 75-125 | | |
| ***Batch: BGB2104 - Cr VI*** | | | | | | | | | | |
| **BGB0310-BLK1 (BGB2104-LBK1)** | | | | | Prepared & Analyzed: 2/15/2023 | | | | | |
| Chromium (VI) | 0.0324 | | 0.00300 | mg/L | | | | | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Dissolved (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB2104 - Cr VI (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGB2104-MS1)** | | **Source: 23A1459-01** | | | Prepared & Analyzed: 2/15/2023 | | | | | |
| Chromium (VI) | 0.257 | | 0.00300 | mg/L | 0.250 | 0.0111 | 98.4 | 70-130 | | |
| **Matrix Spike Dup (BGB2104-MSD1)** | | **Source: 23A1459-01** | | | Prepared & Analyzed: 2/15/2023 | | | | | |
| Chromium (VI) | 0.261 | | 0.00300 | mg/L | 0.250 | 0.0111 | 99.9 | 70-130 | 1.45 | 20 |

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## Quality Control
**(Continued)**

### Elutriate Metals, Total

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0678 - EPA 245.1*** | | | | | | | | | | |
| **Blank (BGB0678-BLK1)** | | | | | Prepared & Analyzed: 2/6/2023 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | | | | | |
| **LCS (BGB0678-BS1)** | | | | | Prepared & Analyzed: 2/6/2023 | | | | | |
| Mercury | 5.07 | | 0.200 | ug/L | 5.00 | | 101 | 85-115 | | |
| **Duplicate (BGB0678-DUP1)** | | **Source: 22I2894-01** | | | Prepared & Analyzed: 2/6/2023 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **Duplicate (BGB0678-DUP2)** | | **Source: 23A1459-52** | | | Prepared & Analyzed: 2/6/2023 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | <0.200 | | | | 20 |
| **BGB0310-LBK1 (BGB0678-LBK1)** | | | | | Prepared & Analyzed: 2/6/2023 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | | | | | |
| **BGA3905-LBK1 (BGB0678-LBK2)** | | | | | Prepared & Analyzed: 2/6/2023 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | | | | | | |
| **MDL Check (BGB0678-MRL1)** | | | | | Prepared & Analyzed: 2/6/2023 | | | | | |
| Mercury | <0.200 | U | 0.200 | ug/L | 0.100 | | | | | |
| **Matrix Spike (BGB0678-MS1)** | | **Source: 22I2894-01** | | | Prepared & Analyzed: 2/6/2023 | | | | | |
| Mercury | 5.21 | | 0.200 | ug/L | 5.00 | <0.200 | 104 | 70-130 | | |
| **Matrix Spike (BGB0678-MS2)** | | **Source: 23A1459-52** | | | Prepared & Analyzed: 2/6/2023 | | | | | |
| Mercury | 5.32 | | 0.200 | ug/L | 5.00 | <0.200 | 106 | 70-130 | | |
| ***Batch: BGB1605 - EPA 200.8*** | | | | | | | | | | |
| **Blank (BGB1605-BLK1)** | | | | | Prepared: 2/10/2023 Analyzed: 2/22/2023 | | | | | |
| Selenium | <2.00 | U | 2.00 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB1605 - EPA 200.8 (Continued)*** | | | | | | | | | | |
| **LCS (BGB1605-BS1)** | | | | | Prepared: 2/10/2023 Analyzed: 2/22/2023 | | | | | |
| Selenium | 213 | | 2.00 | ug/L | 200 | | 107 | 85-115 | | |
| **Duplicate (BGB1605-DUP1)** | | **Source: 23A1459-05** | | | Prepared: 2/10/2023 Analyzed: 2/22/2023 | | | | | |
| Selenium | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| **Duplicate (BGB1605-DUP2)** | | **Source: 23A3576-02** | | | Prepared: 2/10/2023 Analyzed: 2/24/2023 | | | | | |
| Selenium | 0.737 | J | 2.00 | ug/L | | 0.668 | | | 9.82 | 20 |
| **BGB0310-LBK1 (BGB1605-LBK1)** | | | | | Prepared: 2/10/2023 Analyzed: 2/24/2023 | | | | | |
| Selenium | <2.00 | U | 2.00 | ug/L | | | | | | |
| **BGA3905-LBK1 (BGB1605-LBK2)** | | | | | Prepared: 2/10/2023 Analyzed: 2/24/2023 | | | | | |
| Selenium | <2.00 | U | 2.00 | ug/L | | | | | | |
| **MDL Check (BGB1605-MRL1)** | | | | | Prepared: 2/10/2023 Analyzed: 2/22/2023 | | | | | |
| Selenium | 0.286 | J | 2.00 | ug/L | | | | | | |
| **Matrix Spike (BGB1605-MS1)** | | **Source: 23A1459-05** | | | Prepared: 2/10/2023 Analyzed: 2/22/2023 | | | | | |
| Selenium | 210 | | 10.0 | ug/L | 200 | <10.0 | 105 | 75-125 | | |
| **Matrix Spike (BGB1605-MS2)** | | **Source: 23A3576-02** | | | Prepared: 2/10/2023 Analyzed: 2/24/2023 | | | | | |
| Selenium | 222 | | 2.00 | ug/L | 200 | 0.668 | 111 | 75-125 | | |
| ***Batch: BGB3632 - EPA 200.8*** | | | | | | | | | | |
| **Blank (BGB3632-BLK1)** | | | | | Prepared: 2/24/2023 Analyzed: 3/1/2023 | | | | | |
| Selenium | <2.00 | U | 2.00 | ug/L | | | | | | |

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## Quality Control
**(Continued)**

### Elutriate Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB3632 - EPA 200.8 (Continued)*** | | | | | | | | | | |
| **LCS (BGB3632-BS1)** | | | | | Prepared: 2/24/2023 Analyzed: 3/1/2023 | | | | | |
| Selenium | 204 | | 2.00 | ug/L | 200 | | 102 | 85-115 | | |
| **Duplicate (BGB3632-DUP1)** | | **Source: 23A1459-13** | | | Prepared: 2/24/2023 Analyzed: 3/1/2023 | | | | | |
| Selenium | <10.0 | U | 10.0 | ug/L | | <10.0 | | | | 20 |
| **MRL Check (BGB3632-MRL1)** | | | | | Prepared: 2/24/2023 Analyzed: 3/1/2023 | | | | | |
| Selenium | 0.320 | J | 2.00 | ug/L | 0.330 | | 97.0 | | | |
| **Matrix Spike (BGB3632-MS1)** | | **Source: 23A1459-13** | | | Prepared: 2/24/2023 Analyzed: 3/1/2023 | | | | | |
| Selenium | 989 | | 10.0 | ug/L | 1000 | <10.0 | 98.9 | 75-125 | | |

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## Quality Control
**(Continued)**

### Elutriate General Chemistry

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0150 - TSS*** | | | | | | | | | | |
| **Blank (BGB0150-BLK1)** | | | | | Prepared: 2/1/2023 Analyzed: 2/2/2023 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **LCS (BGB0150-BS1)** | | | | | Prepared: 2/1/2023 Analyzed: 2/2/2023 | | | | | |
| Residue-nonfilterable (TSS) | 98.5 | | 1.00 | mg/L | 100 | | 98.5 | 85-115 | | |
| **Duplicate (BGB0150-DUP1)** | | **Source: 23A1459-09** | | | Prepared: 2/1/2023 Analyzed: 2/2/2023 | | | | | |
| Residue-nonfilterable (TSS) | 5.26 | J1 | 1.00 | mg/L | | 5.89 | | | 11.3 | 10 |
| **BGA3905-BLK1 (BGB0150-LBK1)** | | | | | Prepared: 2/1/2023 Analyzed: 2/2/2023 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| ***Batch: BGB0805 - TSS*** | | | | | | | | | | |
| **Blank (BGB0805-BLK1)** | | | | | Prepared: 2/6/2023 Analyzed: 2/7/2023 | | | | | |
| Residue-nonfilterable (TSS) | <1.00 | U | 1.00 | mg/L | | | | | | |
| **LCS (BGB0805-BS1)** | | | | | Prepared: 2/6/2023 Analyzed: 2/7/2023 | | | | | |
| Residue-nonfilterable (TSS) | 99.0 | | 1.00 | mg/L | 100 | | 99.0 | 85-115 | | |
| **Duplicate (BGB0805-DUP1)** | | **Source: 23A1459-14** | | | Prepared: 2/6/2023 Analyzed: 2/7/2023 | | | | | |
| Residue-nonfilterable (TSS) | 6.35 | | 1.00 | mg/L | | 6.59 | | | 3.64 | 10 |
| **BGB0310-BLK1 (BGB0805-LBK1)** | | | | | Prepared: 2/6/2023 Analyzed: 2/7/2023 | | | | | |
| Residue-nonfilterable (TSS) | 6.38 | | 1.00 | mg/L | | | | | | |
| ***Batch: BGB0807 - NH3-N SEAL-350.1*** | | | | | | | | | | |
| **BGB0310-BLK1 (BGB0807-LBK1)** | | | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Ammonia as N | <0.0500 | U | 0.0500 | mg/L | | | | | | |

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## Quality Control
**(Continued)**

### Elutriate General Chemistry (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGB0807 - NH3-N SEAL-350.1 (Continued)*** | | | | | | | | | | |
| **MRL Check (BGB0807-MRL1)** | | | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Ammonia as N | 0.0469 | | | mg/L | 0.0500 | | 93.8 | 50-150 | | |
| **Matrix Spike (BGB0807-MS1)** | | **Source: 23A1459-08RE1** | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Ammonia as N | 0.571 | J1 | 0.0500 | mg/L | 0.400 | 0.456 | 28.8 | 90-110 | | |
| **Matrix Spike (BGB0807-MS2)** | | **Source: 23B1245-02RE1** | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Ammonia as N | 2.45 | | 0.250 | mg/L | 0.400 | 2.06 | 98.7 | 90-110 | | |
| **Matrix Spike Dup (BGB0807-MSD1)** | | **Source: 23A1459-08RE1** | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Ammonia as N | 1.05 | J1 | 0.0500 | mg/L | 0.400 | 0.456 | 148 | 90-110 | 58.9 | 20 |
| **Matrix Spike Dup (BGB0807-MSD2)** | | **Source: 23B1245-02RE1** | | | Prepared & Analyzed: 2/7/2023 | | | | | |
| Ammonia as N | 2.45 | | 0.250 | mg/L | 0.400 | 2.06 | 97.6 | 90-110 | 0.176 | 20 |

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-38
TCEQ-TOX T104704202-22-17

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

# Sample Condition Checklist

**Work Order: 23A1459**

| Check Points | |
|---|---|
| Yes | Custody Seals |
| Yes | Containers Intact |
| Yes | COC/Labels Agree |
| Yes | Received On Ice |
| Yes | Appropriate Containers |
| Yes | Appropriate Sample Volume |
| Yes | Coolers Intact |
| Yes | Samples Accepted |

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-38
TCEQ-TOX T104704202-22-17

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA HI & CDP Resampling 2023 | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 04/03/2023 13:44 |

## Term and Qualifier Definitions

| Item | Definition |
|---|---|
| B | Analyte was found in the associated method blank. |
| B2 | The analyte was detected in the associated leach blank. |
| C+ | The associated calibration QC is higher than the established quality control criteria for accuracy - no hit in sample; data not affected and acceptable to report. |
| CQ | Internal Standard response less than 50% calibration response |
| H | The parameter was analyzed outside the method specified holding time. |
| J | Estimated value - The reported value is between the detection limit and reporting limit. |
| J1 | Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision. |
| L | Off scale high - The concentration of the analyte exceeds the linear range. |
| P | Difference between GC column results greater than the method requirement. Higher result reported. |
| S | The surrogate recovery was outside the established laboratory recovery limit. |
| U | Non-detected compound. |
| V | Analyte was detected in both sample and method blank. |
| V2 | The analyte was detected in the sample and the associated leach blank. |
| RPD | Relative Percent Difference |
| %REC | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated |
| * | A = Accredited, N = Not Accredited or Accreditation not available |
| DF | Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content |
| MDL | Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B. |
| SDL | Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL. |
| MRL | Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard. |
| LRL | Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL. |

March 6, 2023

Ms. Monica Martin

Re: North Water District Laboratory Services, Inc. (NWDLS)
NWDLS Geosciences Lab Testing – Task Order #13
Project #23A1459

The Taylor Engineering Coastal & Marine Geosciences Laboratory is pleased to submit the following sediment data for NWDLS project #23A1459. Taylor Engineering received 33 samples for analysis in Jacksonville, Florida on February 1st, 2023. Laboratory testing for project #23A1459 included sieve and hydrometer analysis according to ASTM D-422. Attached to this letter are the individual test results for each sample.

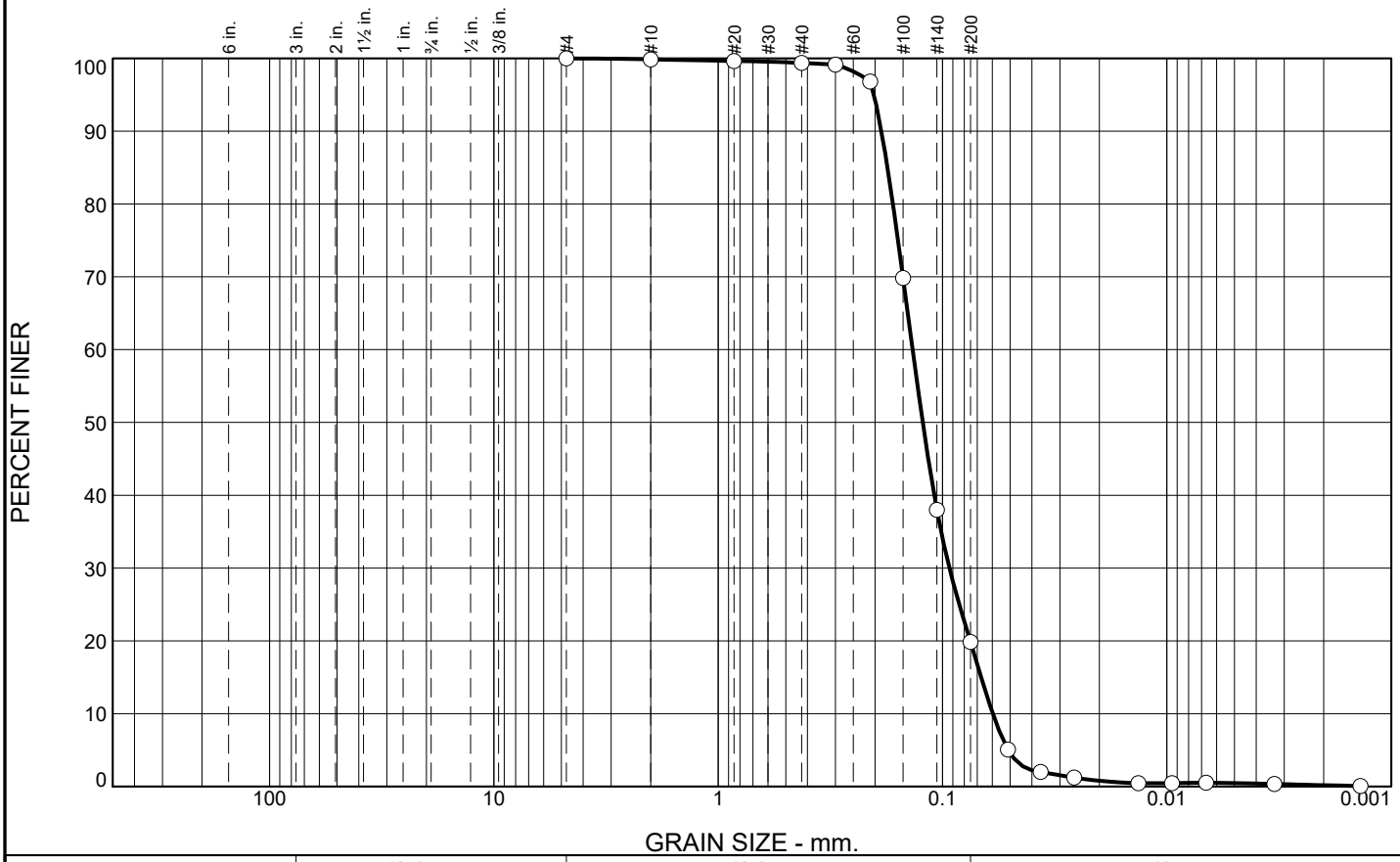
If any additional information is needed or if you have any questions, please contact me at (904) 731-7040 or nlamb@taylorengineering.com.

Sincerely,

Natalie Lamb

Natalie Lamb, G.I.T.
Staff Geologist
Coastal & Marine Geosciences Lab Assistant Manager

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 79.6 | 19.4 | 0.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.9 | | |
| #20 | 99.6 | | |
| #40 | 99.4 | | |
| #50 | 99.1 | | |
| #70 | 96.8 | | |
| #100 | 69.8 | | |
| #140 | 38.0 | | |
| #200 | 19.8 | | |
| 0.0511 mm. | 5.1 | | |
| 0.0365 mm. | 2.0 | | |
| 0.0259 mm. | 1.2 | | |
| 0.0134 mm. | 0.4 | | |
| 0.0095 mm. | 0.4 | | |
| 0.0067 mm. | 0.5 | | |
| 0.0033 mm. | 0.3 | | |
| 0.0014 mm. | 0.1 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1872 $D_{85}$= 0.1759 $D_{60}$= 0.1360
$D_{50}$= 0.1225 $D_{30}$= 0.0932 $D_{15}$= 0.0673
$D_{10}$= 0.0597 $C_u$= 2.28 $C_c$= 1.07

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 16

**Date:** 3/6/2023

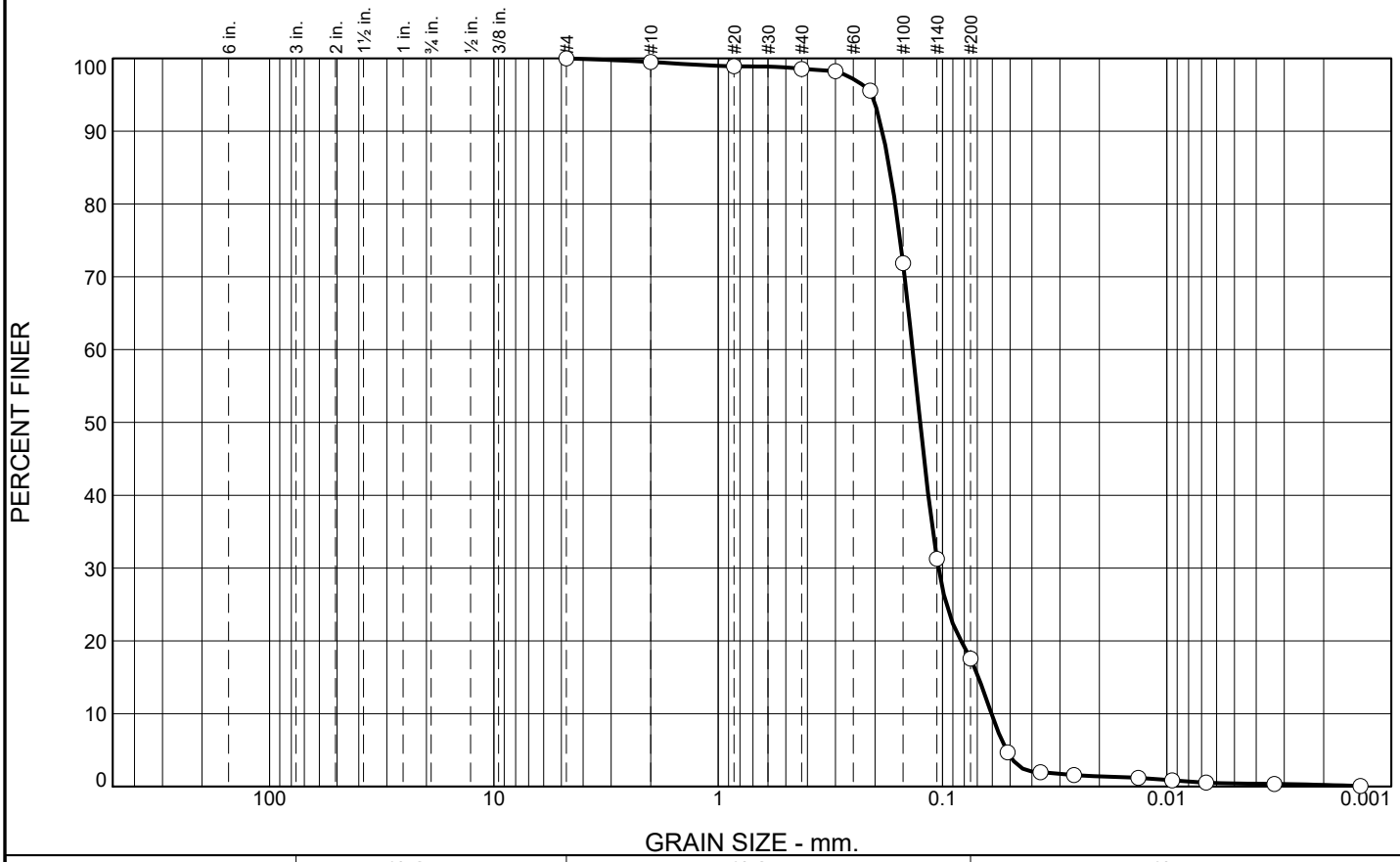
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.5 | 0.9 | 81.0 | 17.2 | 0.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.5 | | |
| #20 | 98.9 | | |
| #40 | 98.6 | | |
| #50 | 98.2 | | |
| #70 | 95.6 | | |
| #100 | 71.9 | | |
| #140 | 31.3 | | |
| #200 | 17.6 | | |
| 0.0513 mm. | 4.7 | | |
| 0.0366 mm. | 2.0 | | |
| 0.0259 mm. | 1.6 | | |
| 0.0134 mm. | 1.2 | | |
| 0.0095 mm. | 0.8 | | |
| 0.0067 mm. | 0.5 | | |
| 0.0033 mm. | 0.3 | | |
| 0.0014 mm. | 0.1 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1856 $D_{85}$= 0.1725 $D_{60}$= 0.1360
$D_{50}$= 0.1258 $D_{30}$= 0.1043 $D_{15}$= 0.0692
$D_{10}$= 0.0606 $C_u$= 2.25 $C_c$= 1.32

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 17

**Date:** 3/6/2023

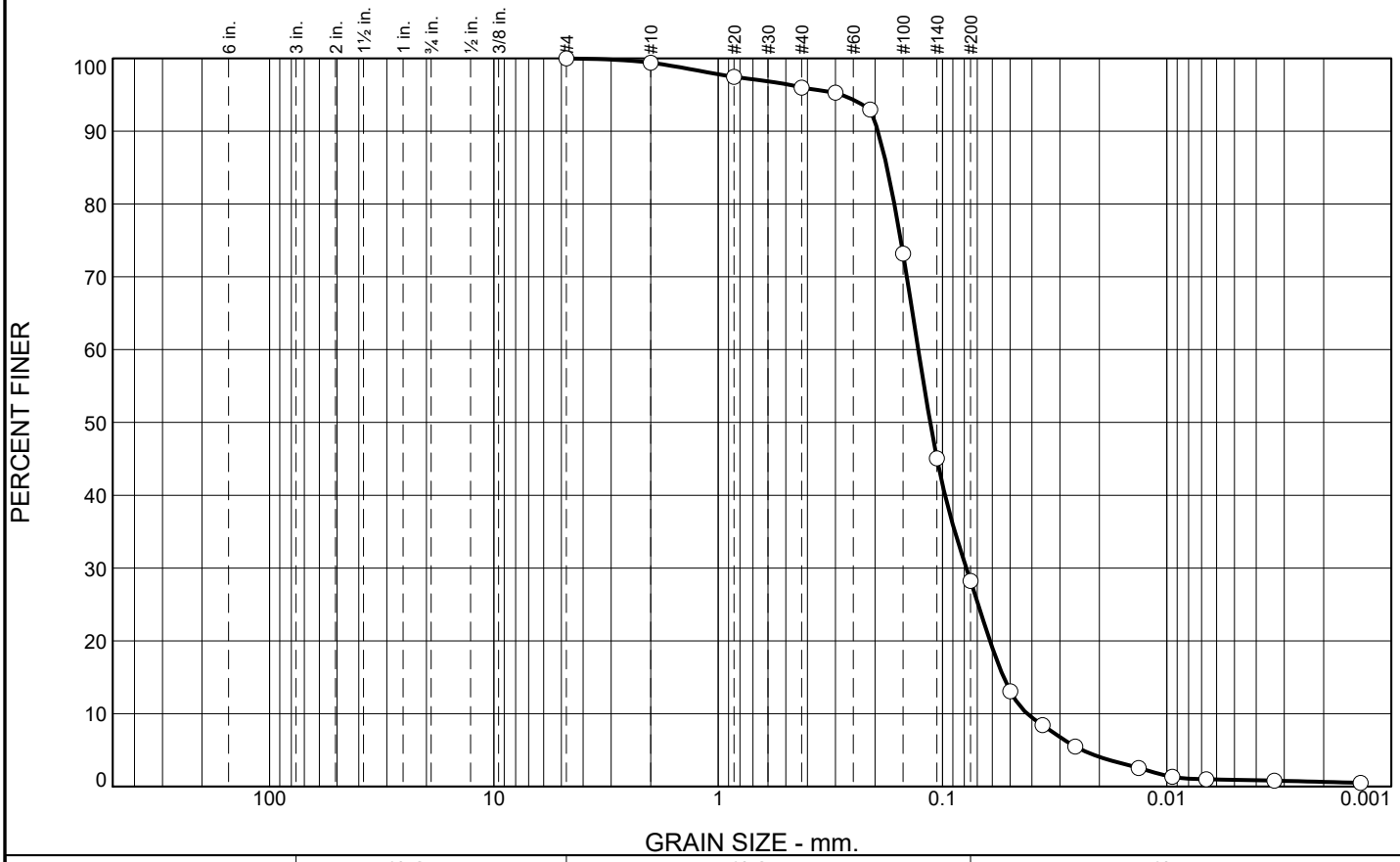
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.6 | 3.4 | 67.8 | 27.3 | 0.9 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.4 | | |
| #20 | 97.5 | | |
| #40 | 96.0 | | |
| #50 | 95.3 | | |
| #70 | 93.0 | | |
| #100 | 73.2 | | |
| #140 | 45.1 | | |
| #200 | 28.2 | | |
| 0.0499 mm. | 13.1 | | |
| 0.0359 mm. | 8.4 | | |
| 0.0256 mm. | 5.5 | | |
| 0.0134 mm. | 2.5 | | |
| 0.0095 mm. | 1.3 | | |
| 0.0067 mm. | 1.0 | | |
| 0.0033 mm. | 0.8 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1941 $D_{85}$= 0.1768 $D_{60}$= 0.1283
$D_{50}$= 0.1135 $D_{30}$= 0.0783 $D_{15}$= 0.0535
$D_{10}$= 0.0420 $C_u$= 3.05 $C_c$= 1.14

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 18

**Date:** 3/6/2023

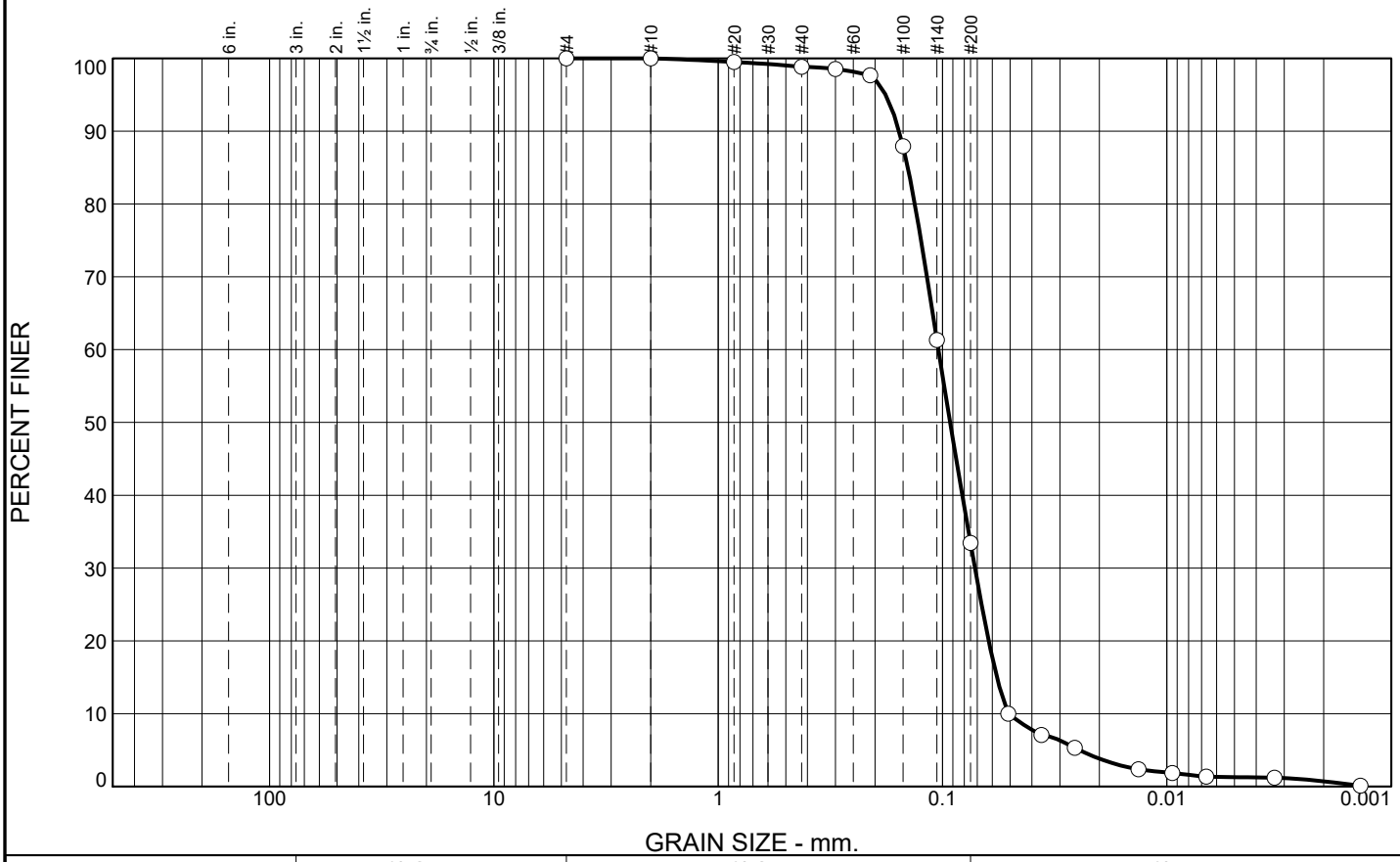
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 65.3 | 32.2 | 1.3 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.5 | | |
| #40 | 98.8 | | |
| #50 | 98.5 | | |
| #70 | 97.7 | | |
| #100 | 88.0 | | |
| #140 | 61.3 | | |
| #200 | 33.5 | | |
| 0.0509 mm. | 10.0 | | |
| 0.0363 mm. | 7.1 | | |
| 0.0258 mm. | 5.3 | | |
| 0.0134 mm. | 2.4 | | |
| 0.0095 mm. | 1.9 | | |
| 0.0067 mm. | 1.3 | | |
| 0.0033 mm. | 1.2 | | |
| 0.0014 mm. | 0.1 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1561 $D_{85}$= 0.1428 $D_{60}$= 0.1043
$D_{50}$= 0.0925 $D_{30}$= 0.0717 $D_{15}$= 0.0572
$D_{10}$= 0.0509 $C_u$= 2.05 $C_c$= 0.97

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 20

**Date:** 3/6/2023

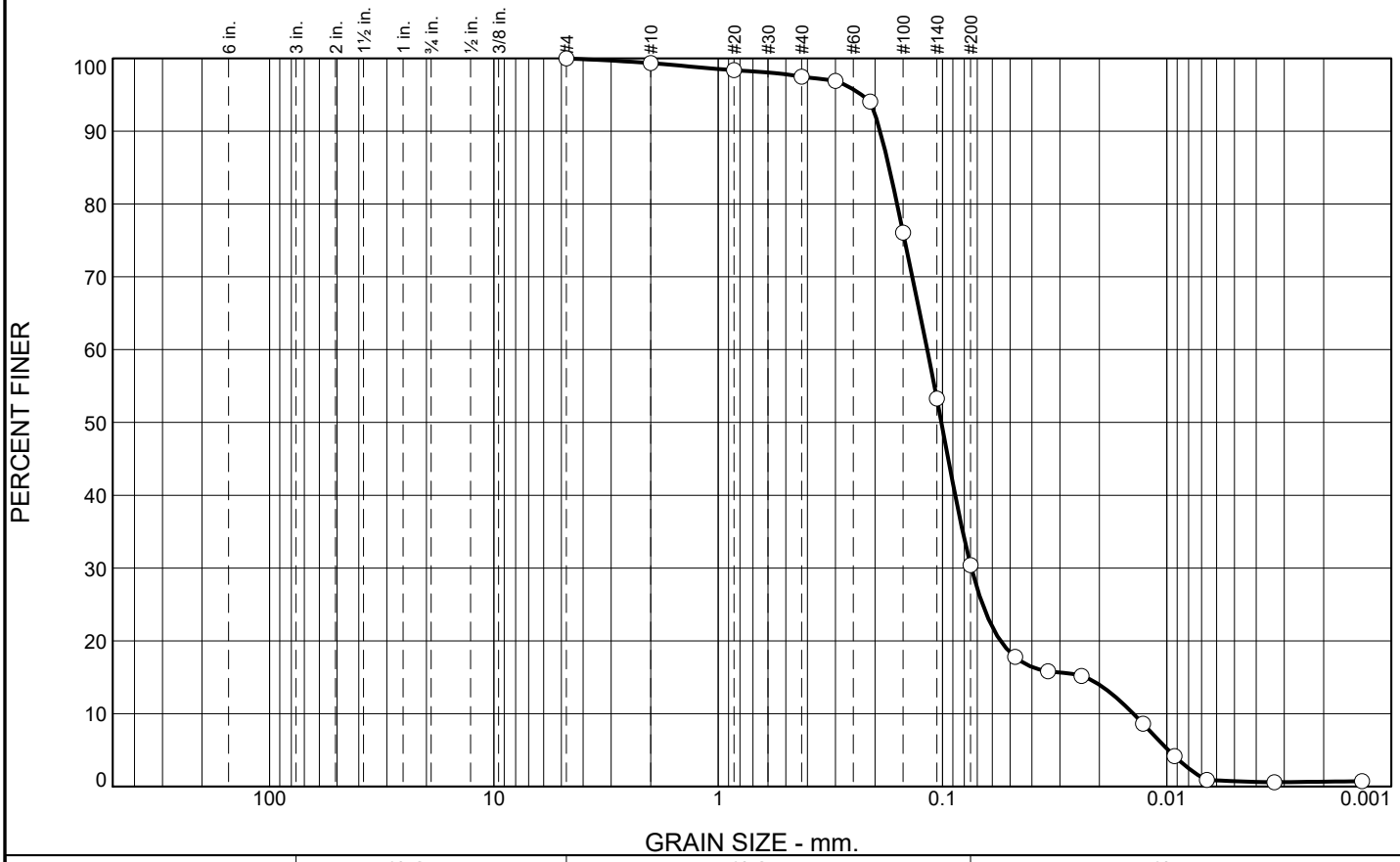
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.6 | 1.9 | 67.1 | 29.7 | 0.7 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.4 | | |
| #20 | 98.4 | | |
| #40 | 97.5 | | |
| #50 | 96.9 | | |
| #70 | 94.1 | | |
| #100 | 76.1 | | |
| #140 | 53.3 | | |
| #200 | 30.4 | | |
| 0.0475 mm. | 17.8 | | |
| 0.0339 mm. | 15.8 | | |
| 0.0240 mm. | 15.2 | | |
| 0.0128 mm. | 8.6 | | |
| 0.0093 mm. | 4.2 | | |
| 0.0066 mm. | 0.9 | | |
| 0.0033 mm. | 0.6 | | |
| 0.0014 mm. | 0.7 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1897 $D_{85}$= 0.1730 $D_{60}$= 0.1170
$D_{50}$= 0.1012 $D_{30}$= 0.0744 $D_{15}$= 0.0232
$D_{10}$= 0.0141 $C_u$= 8.28 $C_c$= 3.35

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 21

**Date:** 3/6/2023

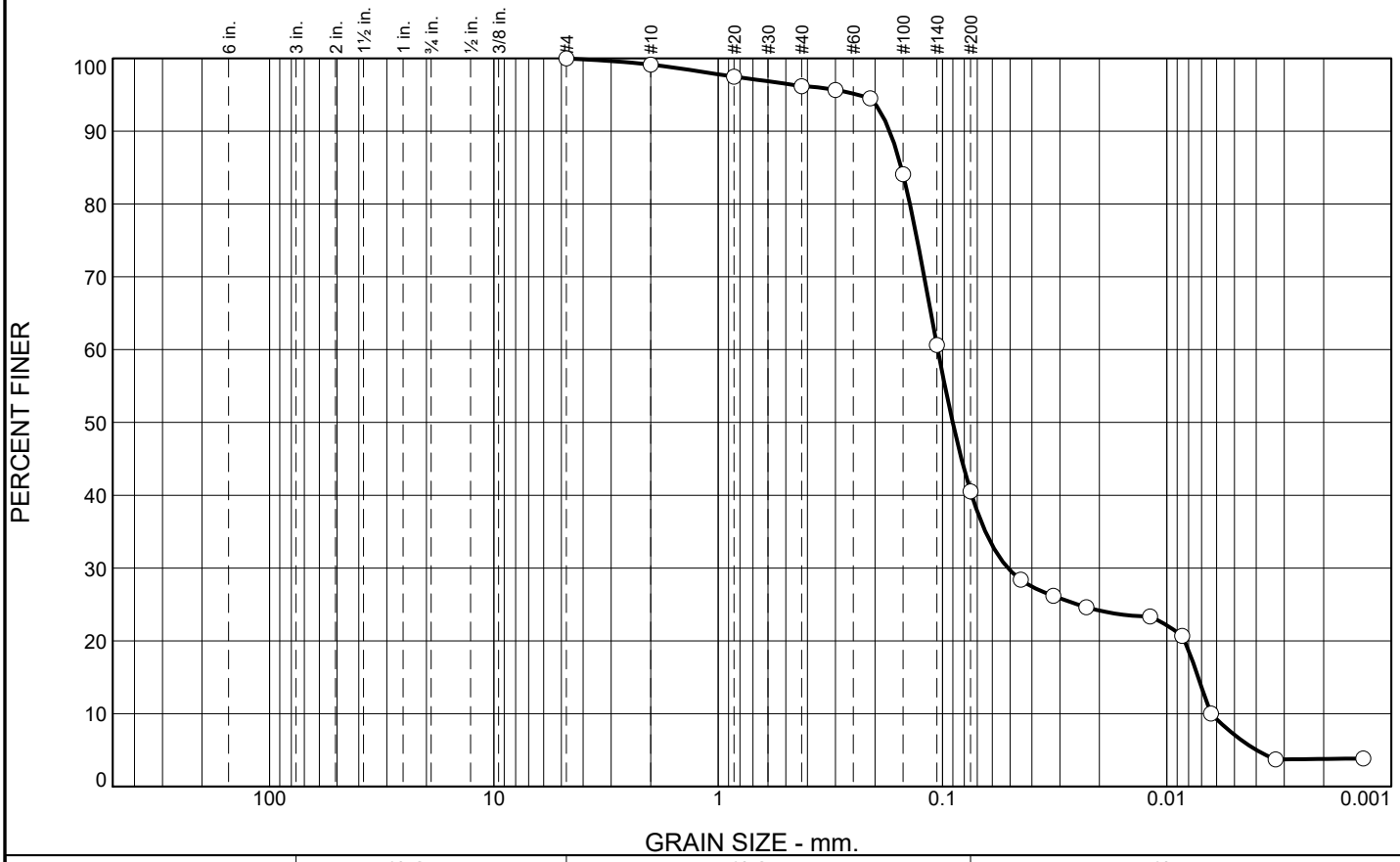
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.8 | 3.0 | 55.7 | 33.4 | 7.1 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.2 | | |
| #20 | 97.5 | | |
| #40 | 96.2 | | |
| #50 | 95.7 | | |
| #70 | 94.5 | | |
| #100 | 84.1 | | |
| #140 | 60.6 | | |
| #200 | 40.5 | | |
| 0.0448 mm. | 28.4 | | |
| 0.0321 mm. | 26.2 | | |
| 0.0229 mm. | 24.6 | | |
| 0.0119 mm. | 23.3 | | |
| 0.0085 mm. | 20.7 | | |
| 0.0064 mm. | 10.0 | | |
| 0.0033 mm. | 3.7 | | |
| 0.0013 mm. | 3.8 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, few clay, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1720 $D_{85}$= 0.1527 $D_{60}$= 0.1050
$D_{50}$= 0.0900 $D_{30}$= 0.0511 $D_{15}$= 0.0073
$D_{10}$= 0.0064 $C_u$= 16.51 $C_c$= 3.91

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 22

**Date:** 3/6/2023

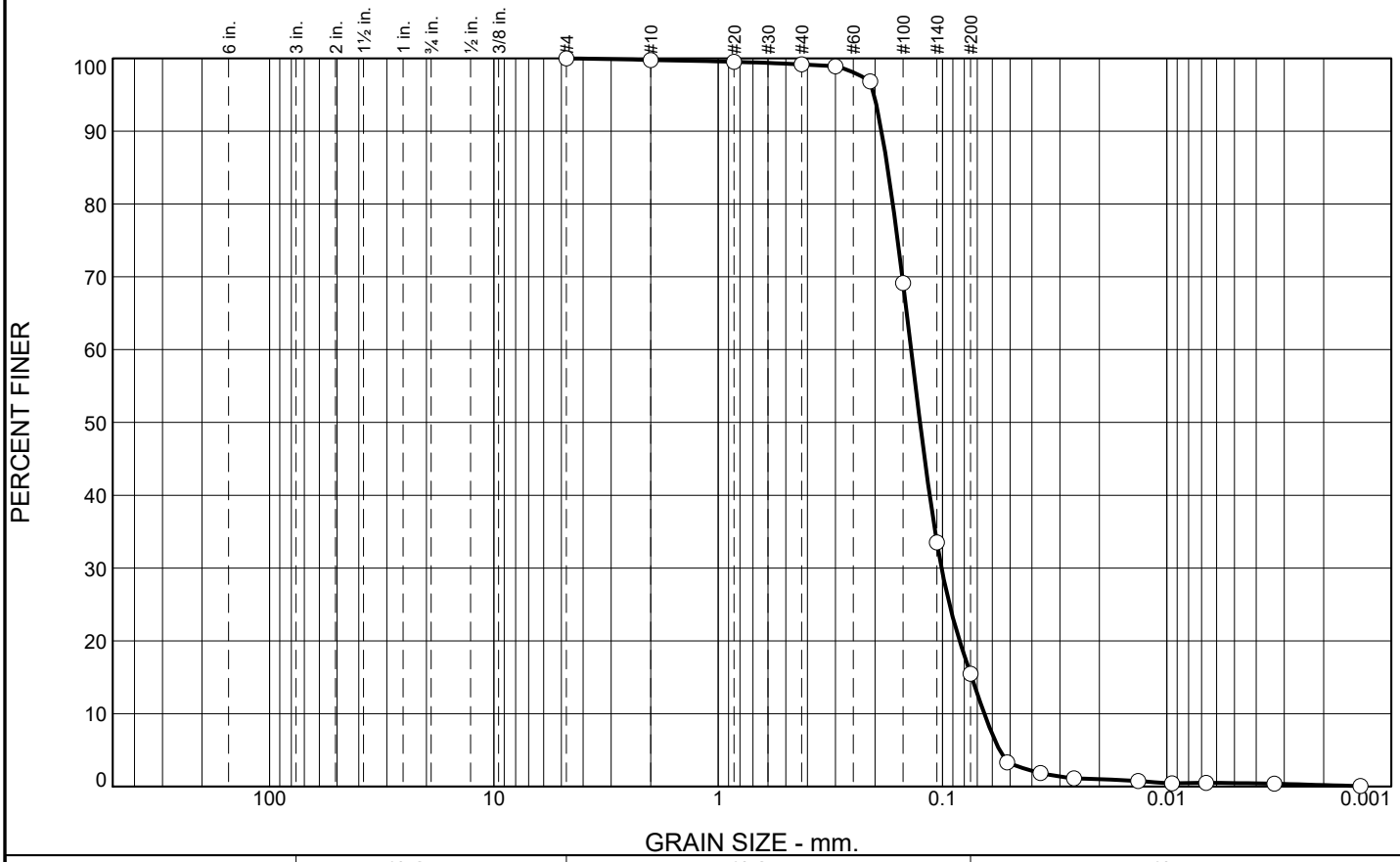
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 83.7 | 15.0 | 0.5 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.8 | | |
| #20 | 99.5 | | |
| #40 | 99.2 | | |
| #50 | 98.9 | | |
| #70 | 96.8 | | |
| #100 | 69.1 | | |
| #140 | 33.5 | | |
| #200 | 15.5 | | |
| 0.0515 mm. | 3.3 | | |
| 0.0366 mm. | 1.8 | | |
| 0.0260 mm. | 1.1 | | |
| 0.0134 mm. | 0.7 | | |
| 0.0095 mm. | 0.4 | | |
| 0.0067 mm. | 0.5 | | |
| 0.0033 mm. | 0.4 | | |
| 0.0014 mm. | 0.1 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1869 $D_{85}$= 0.1758 $D_{60}$= 0.1381
$D_{50}$= 0.1260 $D_{30}$= 0.1011 $D_{15}$= 0.0741
$D_{10}$= 0.0651 $C_u$= 2.12 $C_c$= 1.14

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 24

**Date:** 3/6/2023

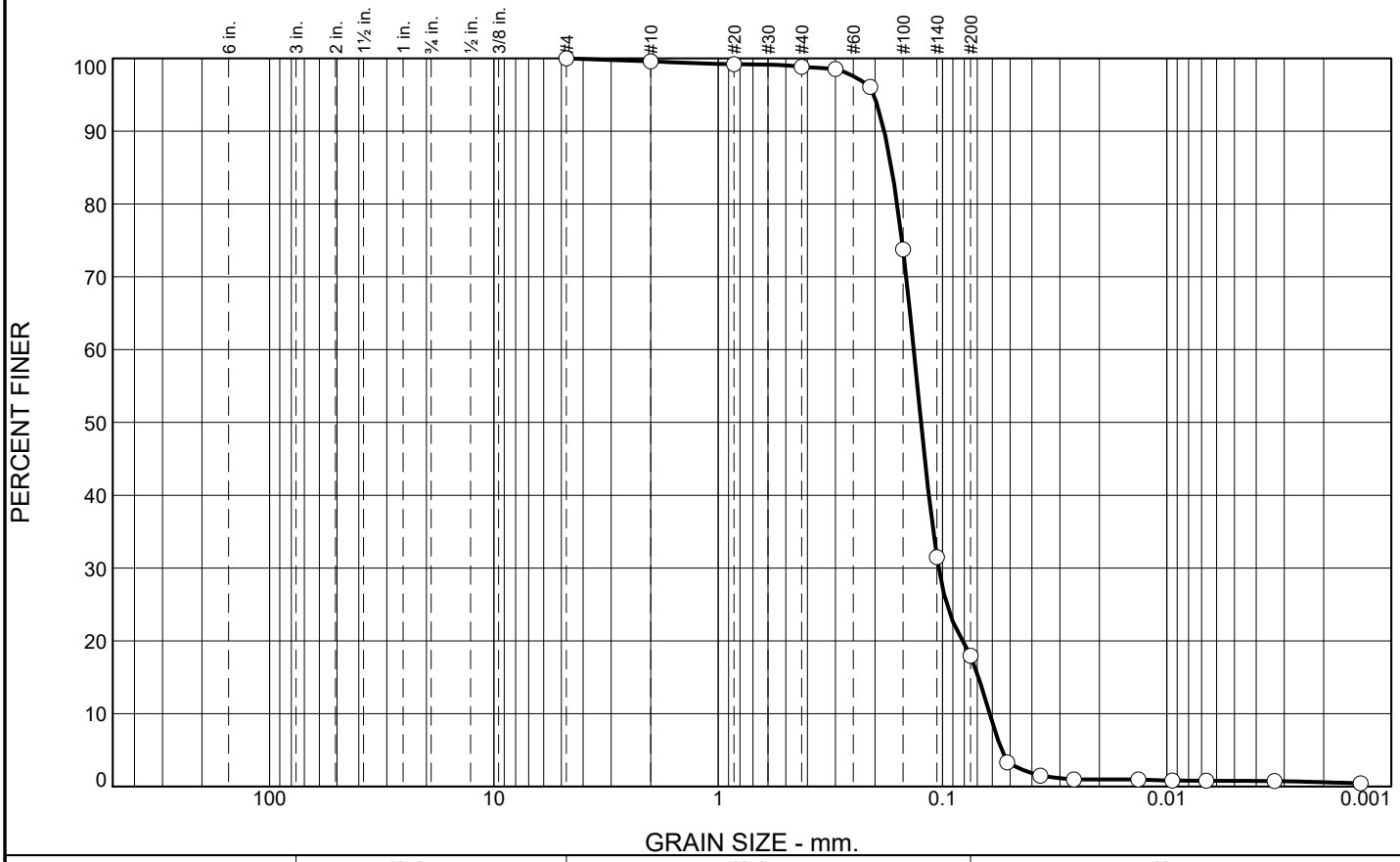
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 80.9 | 17.1 | 0.8 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.6 | | |
| #20 | 99.2 | | |
| #40 | 98.8 | | |
| #50 | 98.6 | | |
| #70 | 96.1 | | |
| #100 | 73.8 | | |
| #140 | 31.5 | | |
| #200 | 17.9 | | |
| 0.0515 mm. | 3.3 | | |
| 0.0367 mm. | 1.5 | | |
| 0.0260 mm. | 1.0 | | |
| 0.0134 mm. | 1.0 | | |
| 0.0095 mm. | 0.8 | | |
| 0.0067 mm. | 0.8 | | |
| 0.0033 mm. | 0.7 | | |
| 0.0014 mm. | 0.4 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1819 $D_{85}$= 0.1689 $D_{60}$= 0.1344
$D_{50}$= 0.1247 $D_{30}$= 0.1040 $D_{15}$= 0.0691
$D_{10}$= 0.0616 $C_u$= 2.18 $C_c$= 1.31

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 25

**Date:** 3/6/2023

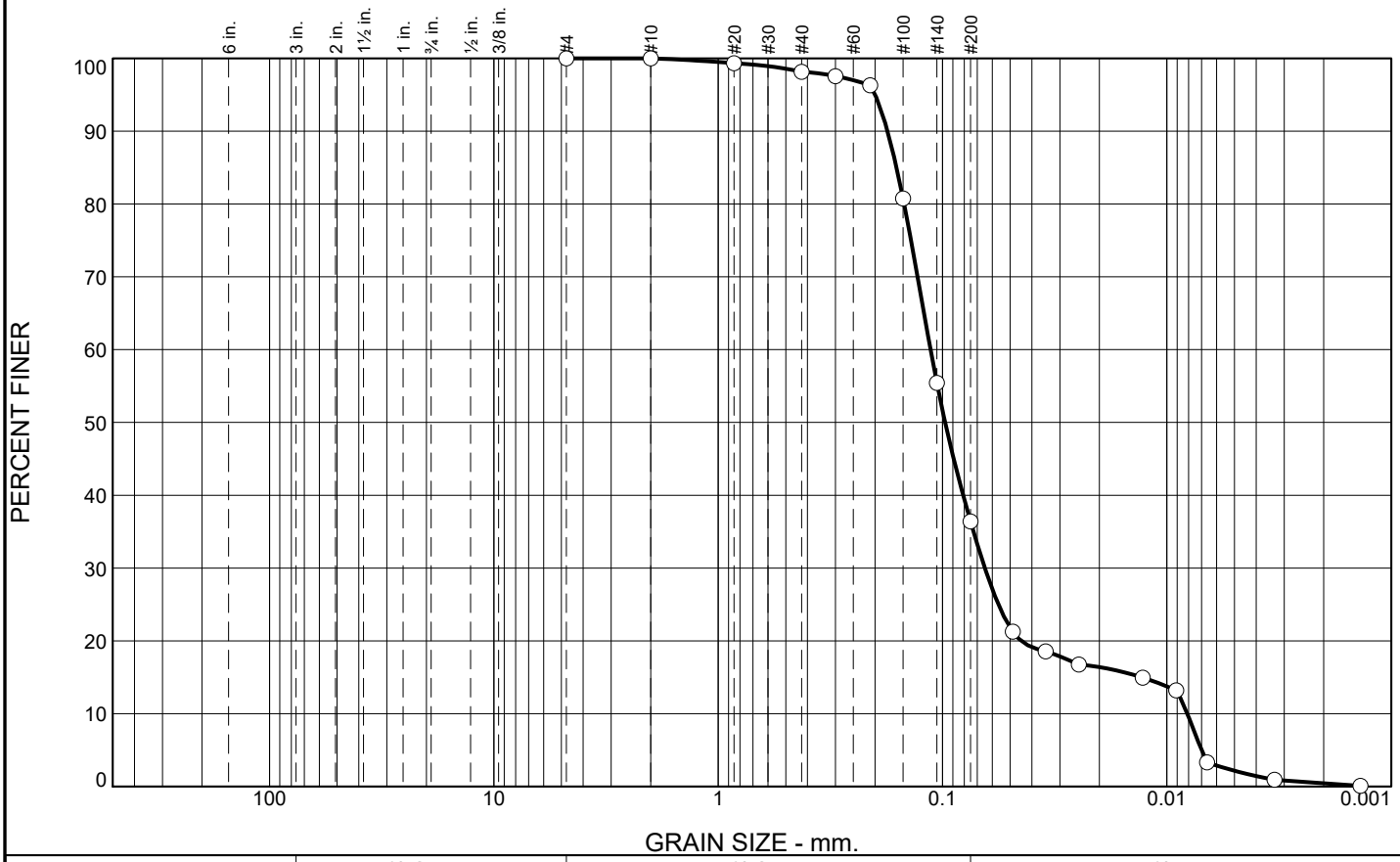
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 61.8 | 34.2 | 2.2 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.4 | | |
| #40 | 98.2 | | |
| #50 | 97.6 | | |
| #70 | 96.3 | | |
| #100 | 80.8 | | |
| #140 | 55.4 | | |
| #200 | 36.4 | | |
| 0.0486 mm. | 21.3 | | |
| 0.0347 mm. | 18.6 | | |
| 0.0247 mm. | 16.7 | | |
| 0.0128 mm. | 14.9 | | |
| 0.0091 mm. | 13.2 | | |
| 0.0066 mm. | 3.3 | | |
| 0.0033 mm. | 0.9 | | |
| 0.0014 mm. | 0.1 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1759 $D_{85}$= 0.1604 $D_{60}$= 0.1131
$D_{50}$= 0.0974 $D_{30}$= 0.0647 $D_{15}$= 0.0130
$D_{10}$= 0.0081 $C_u$= 13.94 $C_c$= 4.57

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 27

**Date:** 3/6/2023

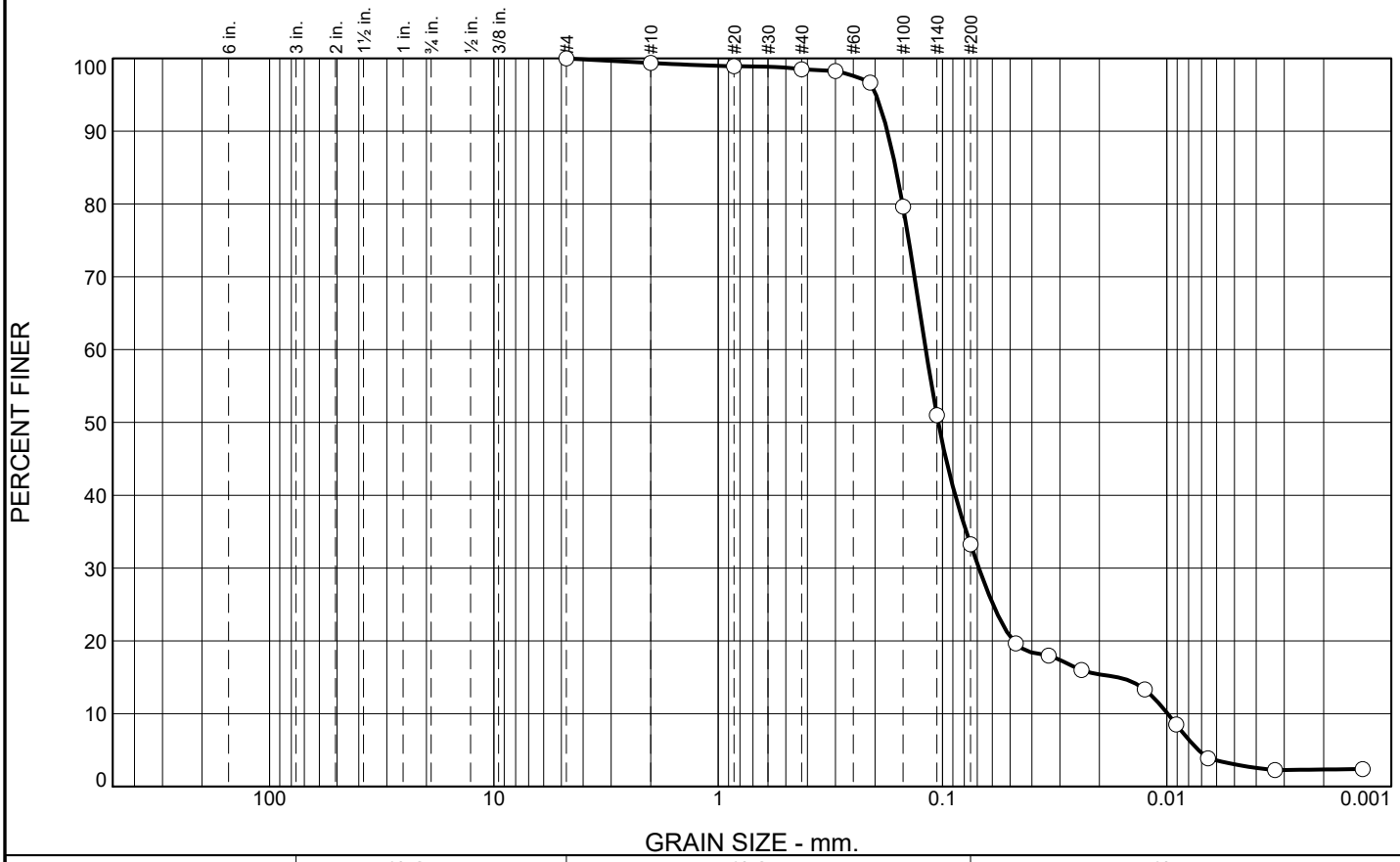
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.6 | 0.9 | 65.2 | 30.3 | 3.0 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.4 | | |
| #20 | 98.9 | | |
| #40 | 98.5 | | |
| #50 | 98.3 | | |
| #70 | 96.7 | | |
| #100 | 79.7 | | |
| #140 | 51.0 | | |
| #200 | 33.3 | | |
| 0.0472 mm. | 19.6 | | |
| 0.0336 mm. | 18.0 | | |
| 0.0240 mm. | 16.0 | | |
| 0.0125 mm. | 13.3 | | |
| 0.0091 mm. | 8.5 | | |
| 0.0066 mm. | 3.9 | | |
| 0.0033 mm. | 2.2 | | |
| 0.0013 mm. | 2.4 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1762 $D_{85}$= 0.1618 $D_{60}$= 0.1188
$D_{50}$= 0.1045 $D_{30}$= 0.0689 $D_{15}$= 0.0167
$D_{10}$= 0.0099 $C_u$= 11.96 $C_c$= 4.02

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 28

**Date:** 3/6/2023

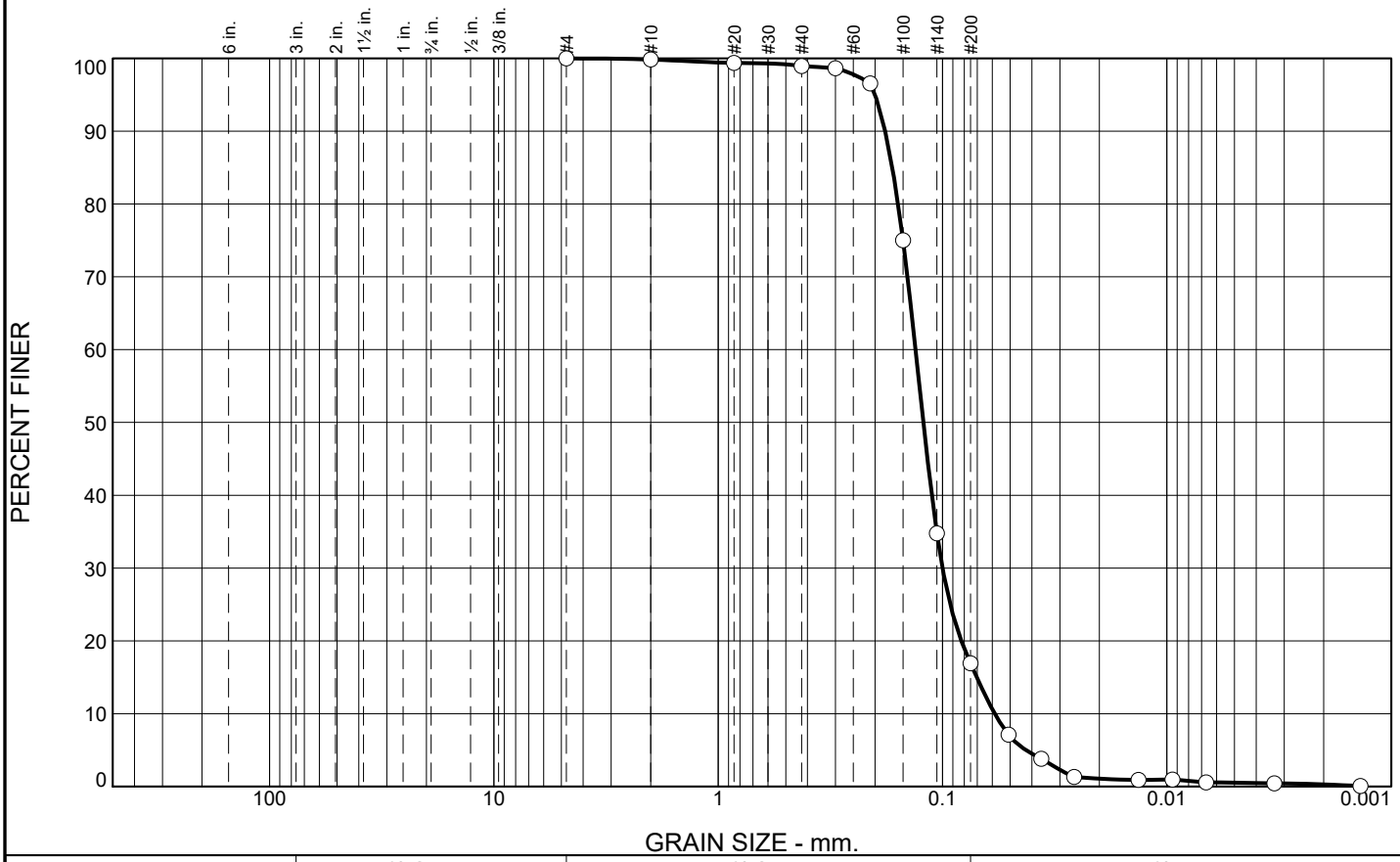
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 82.1 | 16.4 | 0.5 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.9 | | |
| #20 | 99.4 | | |
| #40 | 99.0 | | |
| #50 | 98.7 | | |
| #70 | 96.6 | | |
| #100 | 75.0 | | |
| #140 | 34.8 | | |
| #200 | 16.9 | | |
| 0.0508 mm. | 7.1 | | |
| 0.0363 mm. | 3.8 | | |
| 0.0259 mm. | 1.3 | | |
| 0.0134 mm. | 0.9 | | |
| 0.0094 mm. | 0.9 | | |
| 0.0067 mm. | 0.6 | | |
| 0.0033 mm. | 0.4 | | |
| 0.0014 mm. | 0.1 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1802 $D_{85}$= 0.1675 $D_{60}$= 0.1319
$D_{50}$= 0.1218 $D_{30}$= 0.1000 $D_{15}$= 0.0704
$D_{10}$= 0.0586 $C_u$= 2.25 $C_c$= 1.29

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 30

**Date:** 3/6/2023

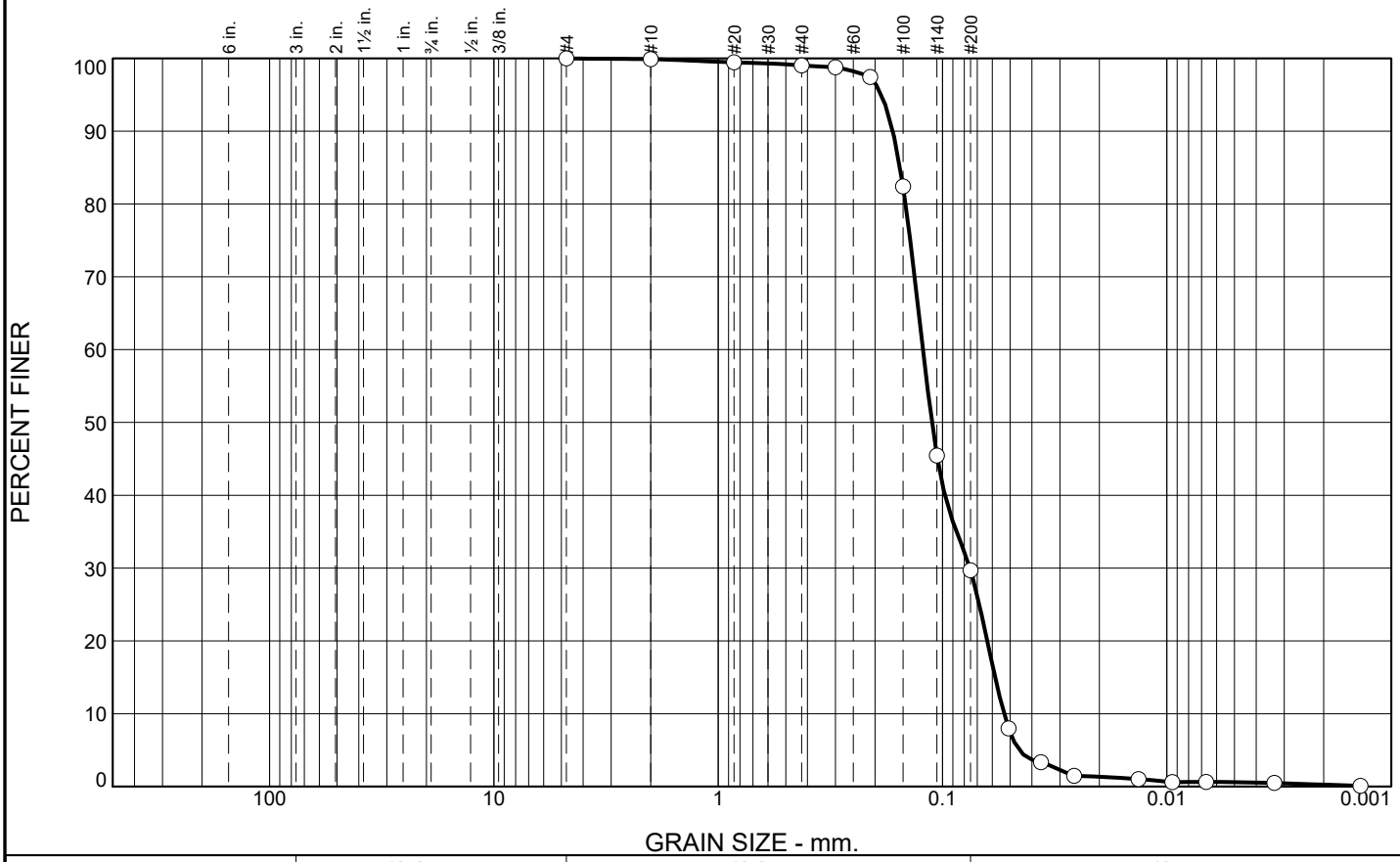
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 69.3 | 29.1 | 0.6 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.9 | | |
| #20 | 99.5 | | |
| #40 | 99.0 | | |
| #50 | 98.8 | | |
| #70 | 97.5 | | |
| #100 | 82.4 | | |
| #140 | 45.5 | | |
| #200 | 29.7 | | |
| 0.0508 mm. | 8.0 | | |
| 0.0364 mm. | 3.3 | | |
| 0.0259 mm. | 1.5 | | |
| 0.0134 mm. | 1.0 | | |
| 0.0095 mm. | 0.6 | | |
| 0.0067 mm. | 0.6 | | |
| 0.0033 mm. | 0.5 | | |
| 0.0014 mm. | 0.1 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1666 $D_{85}$= 0.1547 $D_{60}$= 0.1223
$D_{50}$= 0.1115 $D_{30}$= 0.0755 $D_{15}$= 0.0583
$D_{10}$= 0.0532 $C_u$= 2.30 $C_c$= 0.88

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 31

**Date:** 3/6/2023

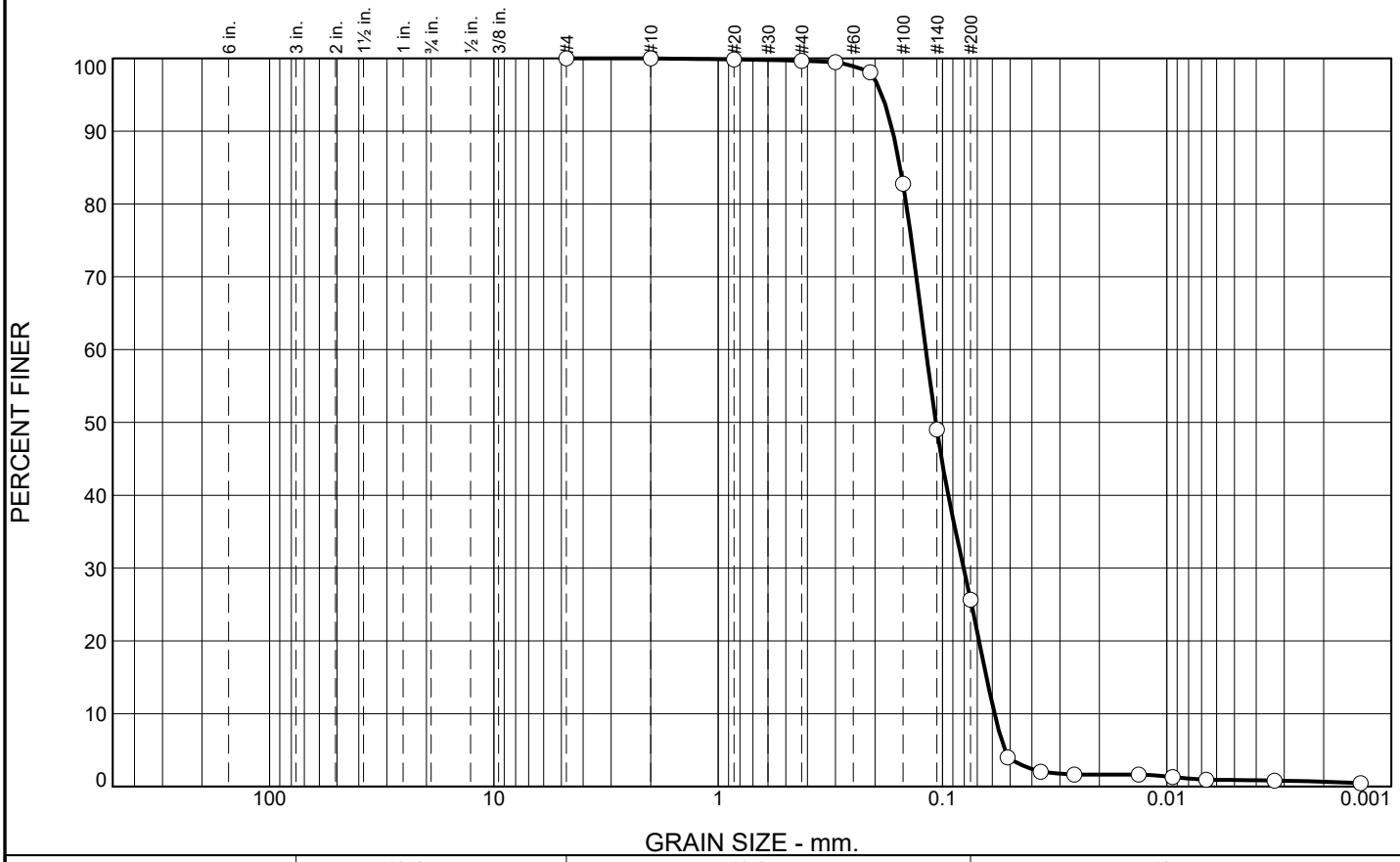
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 74.0 | 24.8 | 0.9 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.7 | | |
| #50 | 99.5 | | |
| #70 | 98.1 | | |
| #100 | 82.8 | | |
| #140 | 49.0 | | |
| #200 | 25.7 | | |
| 0.0513 mm. | 4.0 | | |
| 0.0365 mm. | 2.0 | | |
| 0.0259 mm. | 1.6 | | |
| 0.0134 mm. | 1.6 | | |
| 0.0094 mm. | 1.3 | | |
| 0.0067 mm. | 0.9 | | |
| 0.0033 mm. | 0.8 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1669 $D_{85}$= 0.1544 $D_{60}$= 0.1188
$D_{50}$= 0.1072 $D_{30}$= 0.0805 $D_{15}$= 0.0638
$D_{10}$= 0.0587 $C_u$= 2.02 $C_c$= 0.93

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 32

**Date:** 3/6/2023

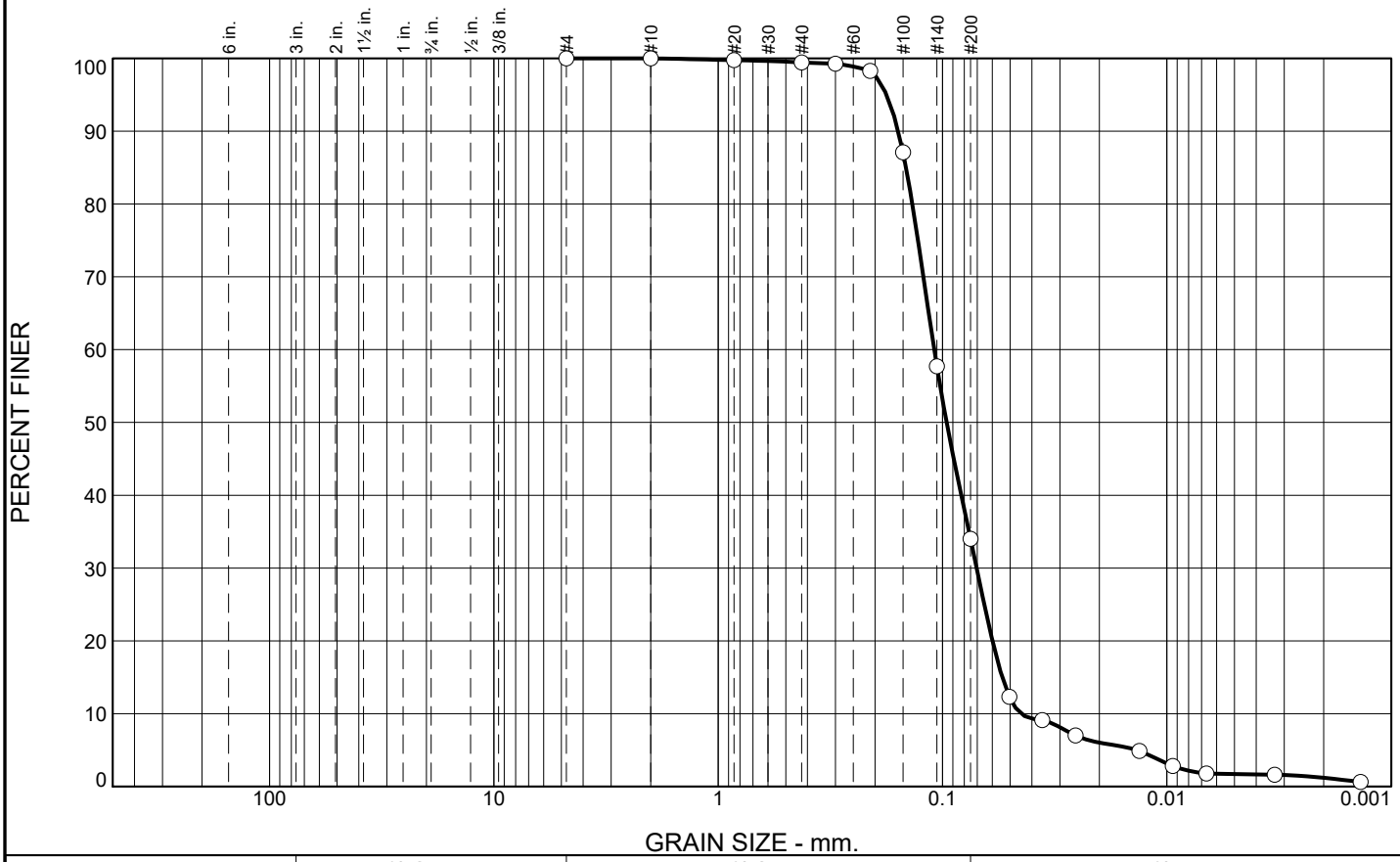
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 65.4 | 32.3 | 1.7 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.8 | | |
| #40 | 99.4 | | |
| #50 | 99.3 | | |
| #70 | 98.3 | | |
| #100 | 87.1 | | |
| #140 | 57.7 | | |
| #200 | 34.0 | | |
| 0.0504 mm. | 12.3 | | |
| 0.0359 mm. | 9.1 | | |
| 0.0255 mm. | 7.0 | | |
| 0.0133 mm. | 4.9 | | |
| 0.0094 mm. | 2.8 | | |
| 0.0067 mm. | 1.8 | | |
| 0.0033 mm. | 1.6 | | |
| 0.0014 mm. | 0.6 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1575 $D_{85}$= 0.1454 $D_{60}$= 0.1089
$D_{50}$= 0.0959 $D_{30}$= 0.0705 $D_{15}$= 0.0542
$D_{10}$= 0.0448 $C_u$= 2.43 $C_c$= 1.02

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 34

**Date:** 3/6/2023

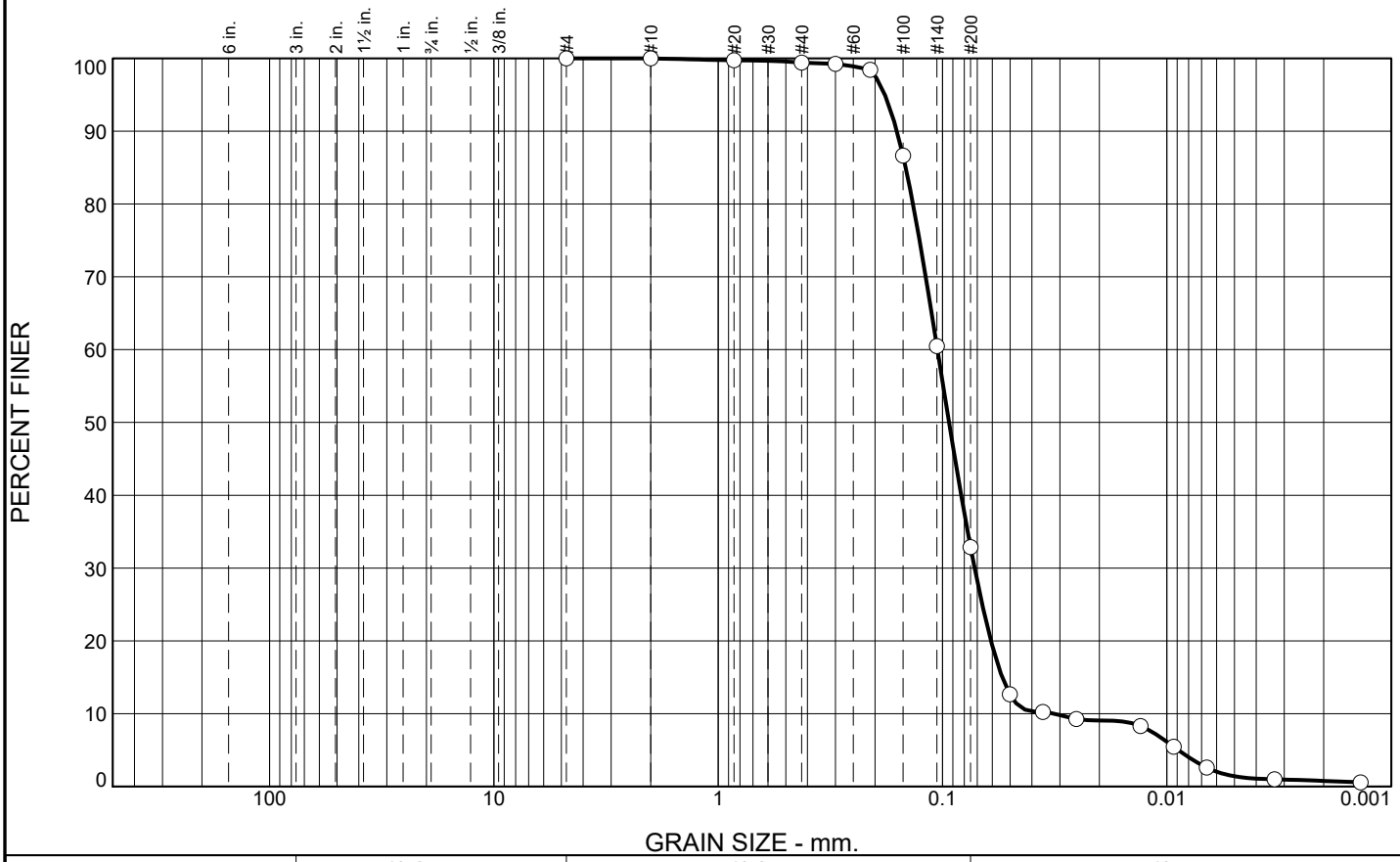
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 66.5 | 31.5 | 1.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.7 | | |
| #40 | 99.4 | | |
| #50 | 99.2 | | |
| #70 | 98.4 | | |
| #100 | 86.6 | | |
| #140 | 60.5 | | |
| #200 | 32.9 | | |
| 0.0502 mm. | 12.7 | | |
| 0.0357 mm. | 10.2 | | |
| 0.0253 mm. | 9.3 | | |
| 0.0131 mm. | 8.3 | | |
| 0.0093 mm. | 5.5 | | |
| 0.0066 mm. | 2.6 | | |
| 0.0033 mm. | 1.0 | | |
| 0.0014 mm. | 0.6 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1597 $D_{85}$= 0.1459 $D_{60}$= 0.1054
$D_{50}$= 0.0935 $D_{30}$= 0.0720 $D_{15}$= 0.0543
$D_{10}$= 0.0319 $C_u$= 3.30 $C_c$= 1.54

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 35

**Date:** 3/6/2023

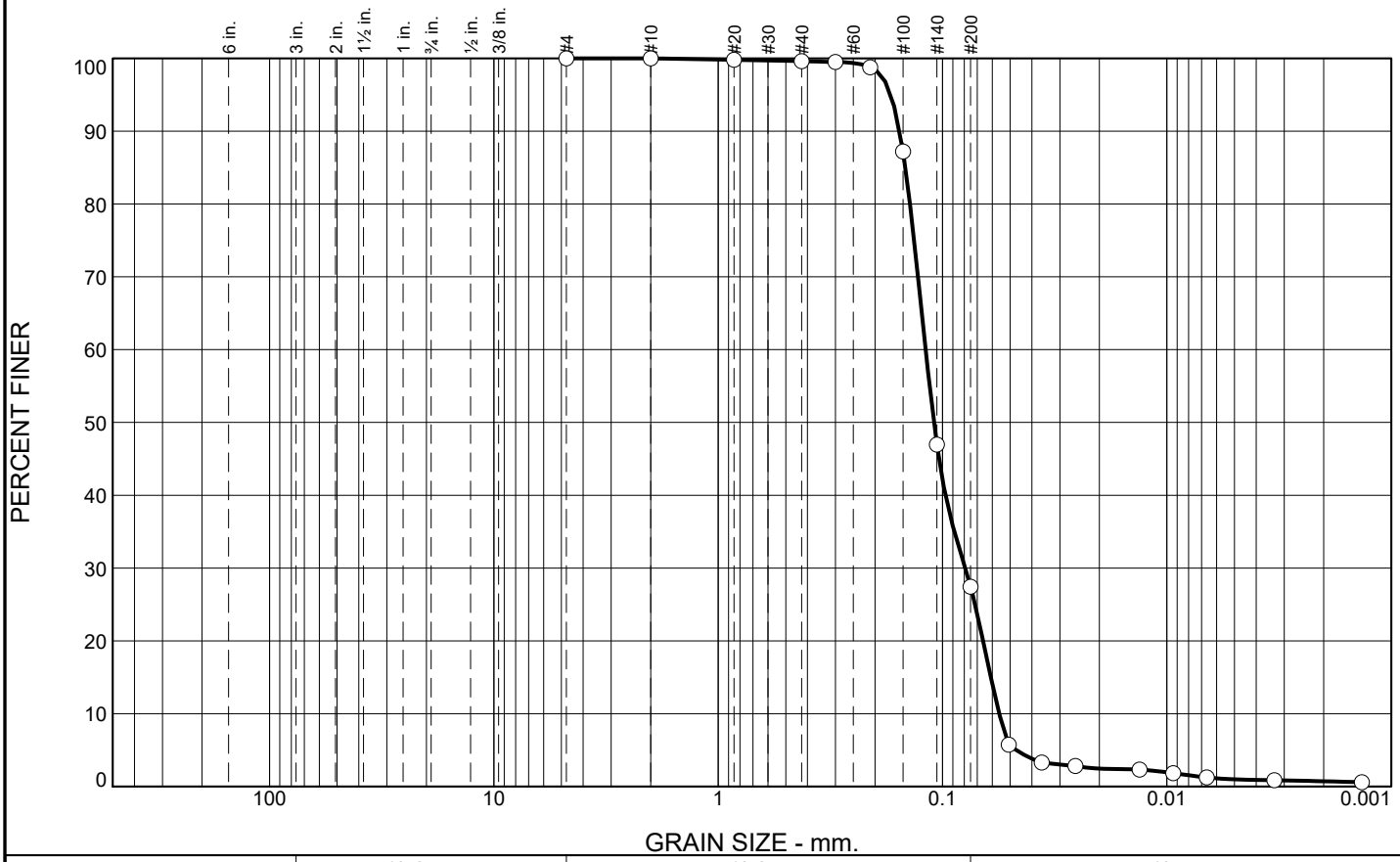
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 72.2 | 26.4 | 1.0 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.8 | | |
| #40 | 99.6 | | |
| #50 | 99.5 | | |
| #70 | 98.8 | | |
| #100 | 87.2 | | |
| #140 | 47.0 | | |
| #200 | 27.4 | | |
| 0.0507 mm. | 5.7 | | |
| 0.0361 mm. | 3.3 | | |
| 0.0256 mm. | 2.8 | | |
| 0.0132 mm. | 2.3 | | |
| 0.0094 mm. | 1.8 | | |
| 0.0066 mm. | 1.2 | | |
| 0.0033 mm. | 0.9 | | |
| 0.0014 mm. | 0.6 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, trace clay, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1554 $D_{85}$= 0.1465 $D_{60}$= 0.1190
$D_{50}$= 0.1093 $D_{30}$= 0.0791 $D_{15}$= 0.0610
$D_{10}$= 0.0559 $C_u$= 2.13 $C_c$= 0.94

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 36

**Date:** 3/6/2023

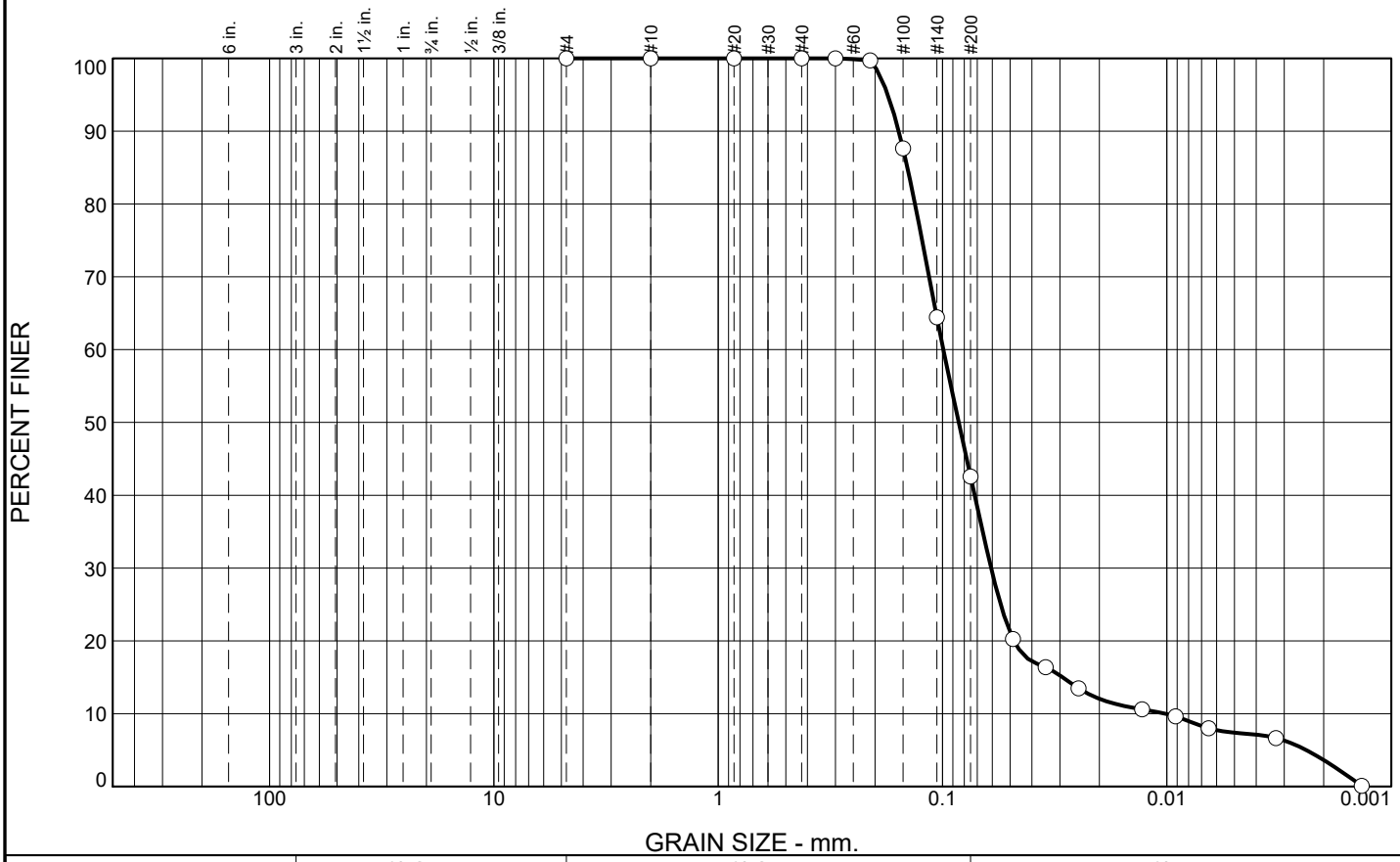
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 57.4 | 35.2 | 7.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 100.0 | | |
| #50 | 100.0 | | |
| #70 | 99.7 | | |
| #100 | 87.6 | | |
| #140 | 64.4 | | |
| #200 | 42.6 | | |
| 0.0485 mm. | 20.3 | | |
| 0.0347 mm. | 16.4 | | |
| 0.0248 mm. | 13.5 | | |
| 0.0129 mm. | 10.6 | | |
| 0.0091 mm. | 9.6 | | |
| 0.0065 mm. | 8.0 | | |
| 0.0033 mm. | 6.6 | | |
| 0.0014 mm. | 0.1 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, few clay, brown

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1567 $D_{85}$= 0.1434 $D_{60}$= 0.0992
$D_{50}$= 0.0846 $D_{30}$= 0.0608 $D_{15}$= 0.0292
$D_{10}$= 0.0102 $C_u$= 9.74 $C_c$= 3.66

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 38

**Date:** 3/6/2023

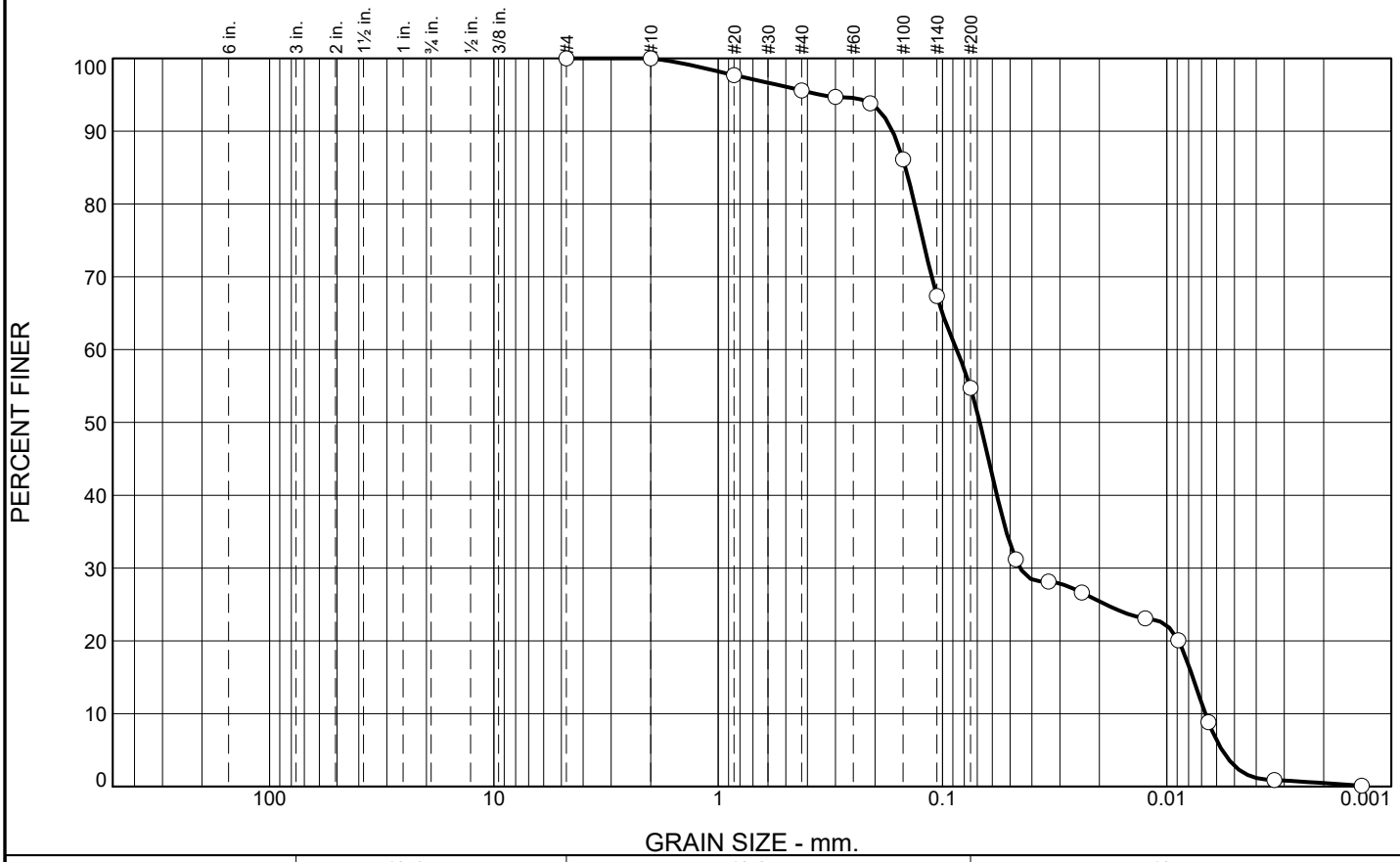
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 40.9 | 51.9 | 2.8 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 97.7 | | |
| #40 | 95.6 | | |
| #50 | 94.7 | | |
| #70 | 93.8 | | |
| #100 | 86.1 | | |
| #140 | 67.4 | | |
| #200 | 54.7 | | |
| 0.0472 mm. | 31.2 | | |
| 0.0337 mm. | 28.1 | | |
| 0.0239 mm. | 26.6 | | |
| 0.0125 mm. | 23.1 | | |
| 0.0089 mm. | 20.1 | | |
| 0.0065 mm. | 8.8 | | |
| 0.0033 mm. | 0.9 | | |
| 0.0014 mm. | 0.1 | | |

* (no specification provided)

**Soil Description**

Silt, some fine-grained sand-sized quartz, trace clay, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1670 $D_{85}$= 0.1463 $D_{60}$= 0.0865
$D_{50}$= 0.0682 $D_{30}$= 0.0451 $D_{15}$= 0.0077
$D_{10}$= 0.0067 $C_u$= 12.82 $C_c$= 3.48

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 39

**Date:** 3/6/2023

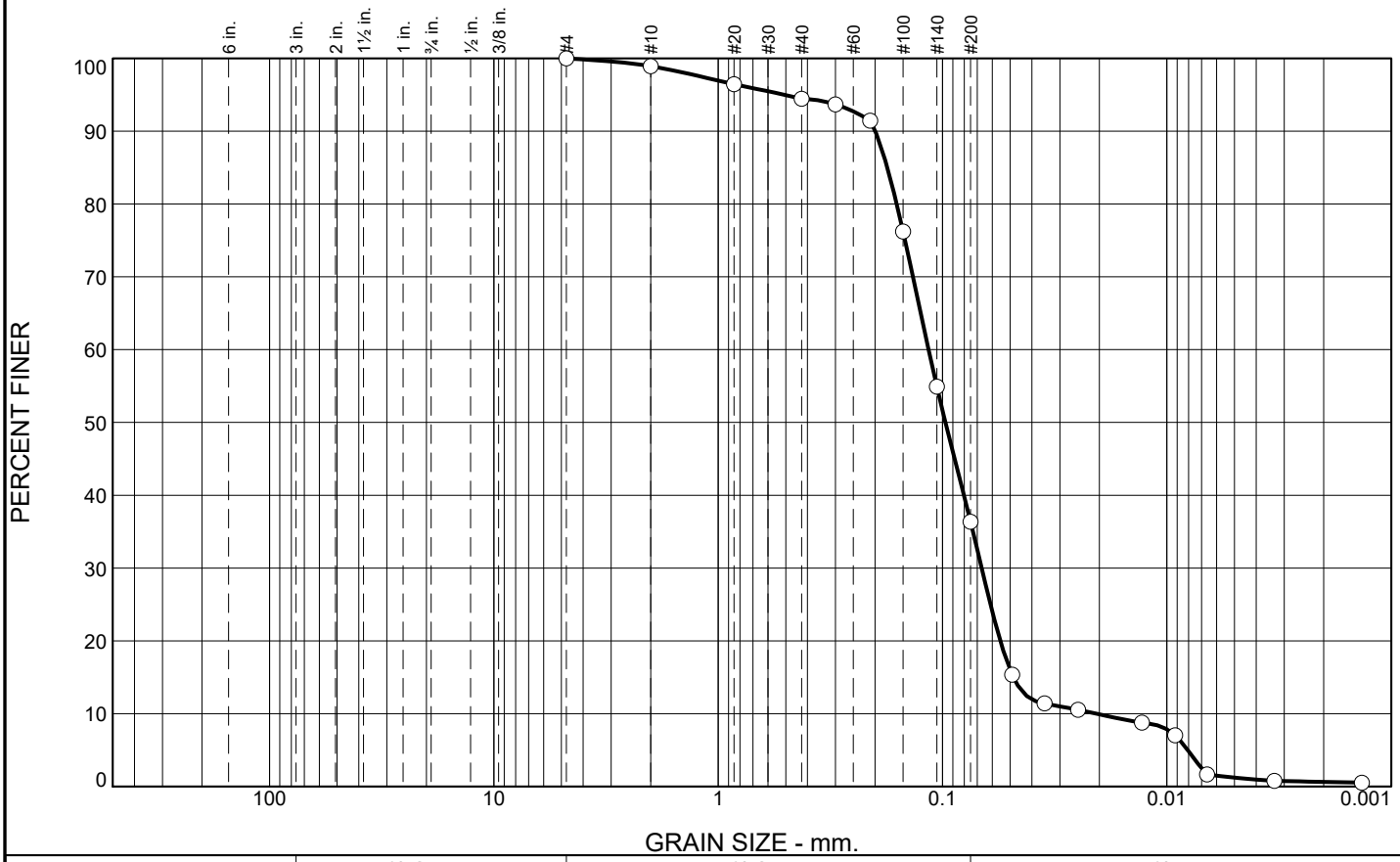
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 1.1 | 4.4 | 58.1 | 35.2 | 1.2 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 98.9 | | |
| #20 | 96.5 | | |
| #40 | 94.5 | | |
| #50 | 93.7 | | |
| #70 | 91.5 | | |
| #100 | 76.2 | | |
| #140 | 54.9 | | |
| #200 | 36.4 | | |
| 0.0490 mm. | 15.3 | | |
| 0.0351 mm. | 11.4 | | |
| 0.0249 mm. | 10.5 | | |
| 0.0129 mm. | 8.8 | | |
| 0.0092 mm. | 7.0 | | |
| 0.0066 mm. | 1.6 | | |
| 0.0033 mm. | 0.8 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1995 $D_{85}$= 0.1763 $D_{60}$= 0.1154
$D_{50}$= 0.0970 $D_{30}$= 0.0670 $D_{15}$= 0.0484
$D_{10}$= 0.0207 $C_u$= 5.58 $C_c$= 1.88

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 40

**Date:** 3/6/2023

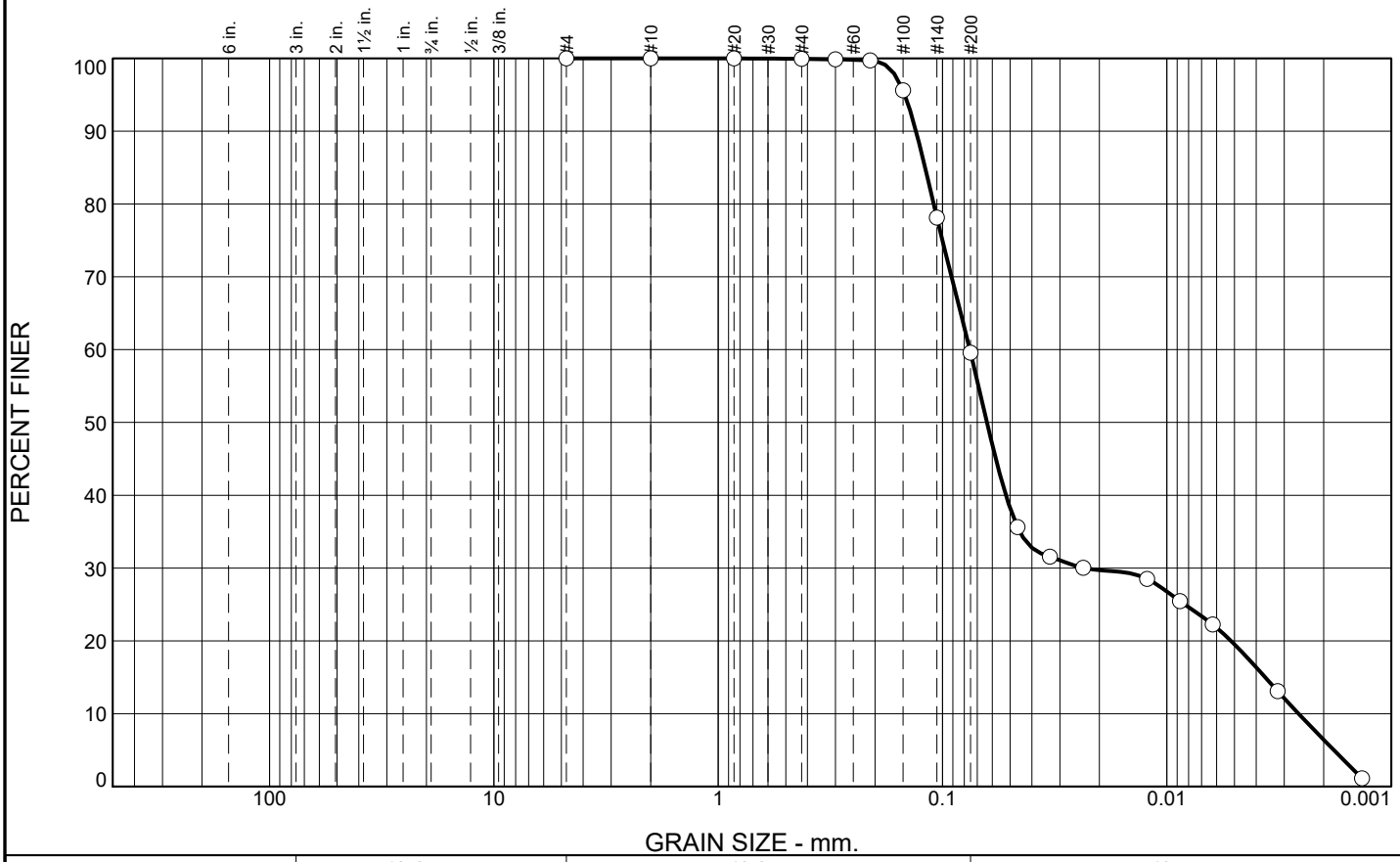
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 40.3 | 40.1 | 19.5 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 99.9 | | |
| #50 | 99.9 | | |
| #70 | 99.7 | | |
| #100 | 95.6 | | |
| #140 | 78.1 | | |
| #200 | 59.6 | | |
| 0.0464 mm. | 35.6 | | |
| 0.0332 mm. | 31.6 | | |
| 0.0236 mm. | 30.0 | | |
| 0.0122 mm. | 28.5 | | |
| 0.0087 mm. | 25.4 | | |
| 0.0063 mm. | 22.3 | | |
| 0.0032 mm. | 13.1 | | |
| 0.0014 mm. | 1.1 | | |

* (no specification provided)

**Soil Description**

Silt, some fine-grained sand-sized quartz, little clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1313 $D_{85}$= 0.1196 $D_{60}$= 0.0756
$D_{50}$= 0.0634 $D_{30}$= 0.0234 $D_{15}$= 0.0037
$D_{10}$= 0.0026 $C_u$= 29.17 $C_c$= 2.79

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 41

**Date:** 3/6/2023

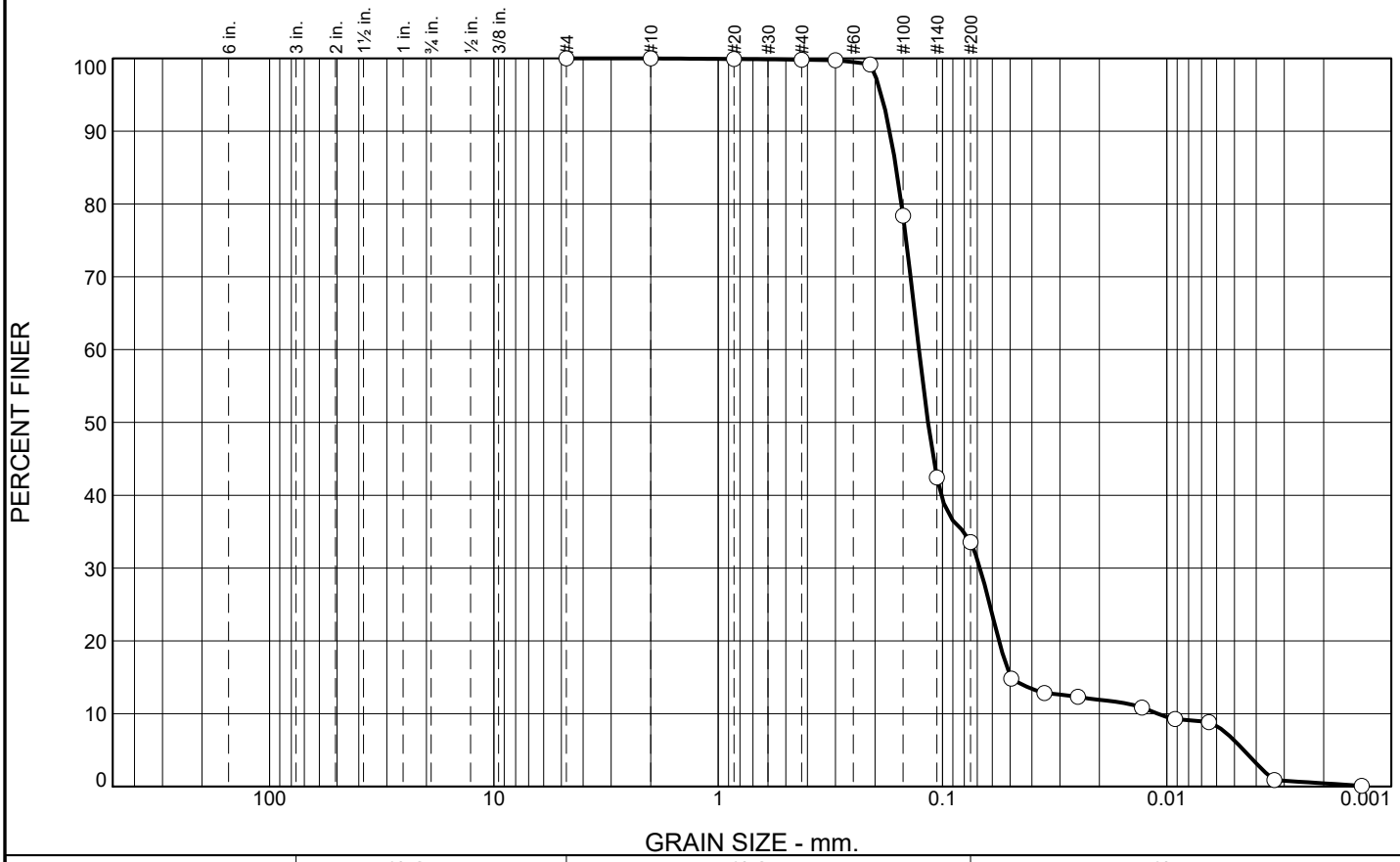
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 66.2 | 27.3 | 6.3 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.8 | | |
| #50 | 99.7 | | |
| #70 | 99.2 | | |
| #100 | 78.4 | | |
| #140 | 42.5 | | |
| #200 | 33.6 | | |
| 0.0495 mm. | 14.8 | | |
| 0.0352 mm. | 12.8 | | |
| 0.0249 mm. | 12.3 | | |
| 0.0129 mm. | 10.8 | | |
| 0.0092 mm. | 9.3 | | |
| 0.0065 mm. | 8.8 | | |
| 0.0033 mm. | 0.9 | | |
| 0.0014 mm. | 0.1 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, few clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1720 $D_{85}$= 0.1611 $D_{60}$= 0.1274
$D_{50}$= 0.1161 $D_{30}$= 0.0681 $D_{15}$= 0.0498
$D_{10}$= 0.0110 $C_u$= 11.56 $C_c$= 3.31

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 43

**Date:** 3/6/2023

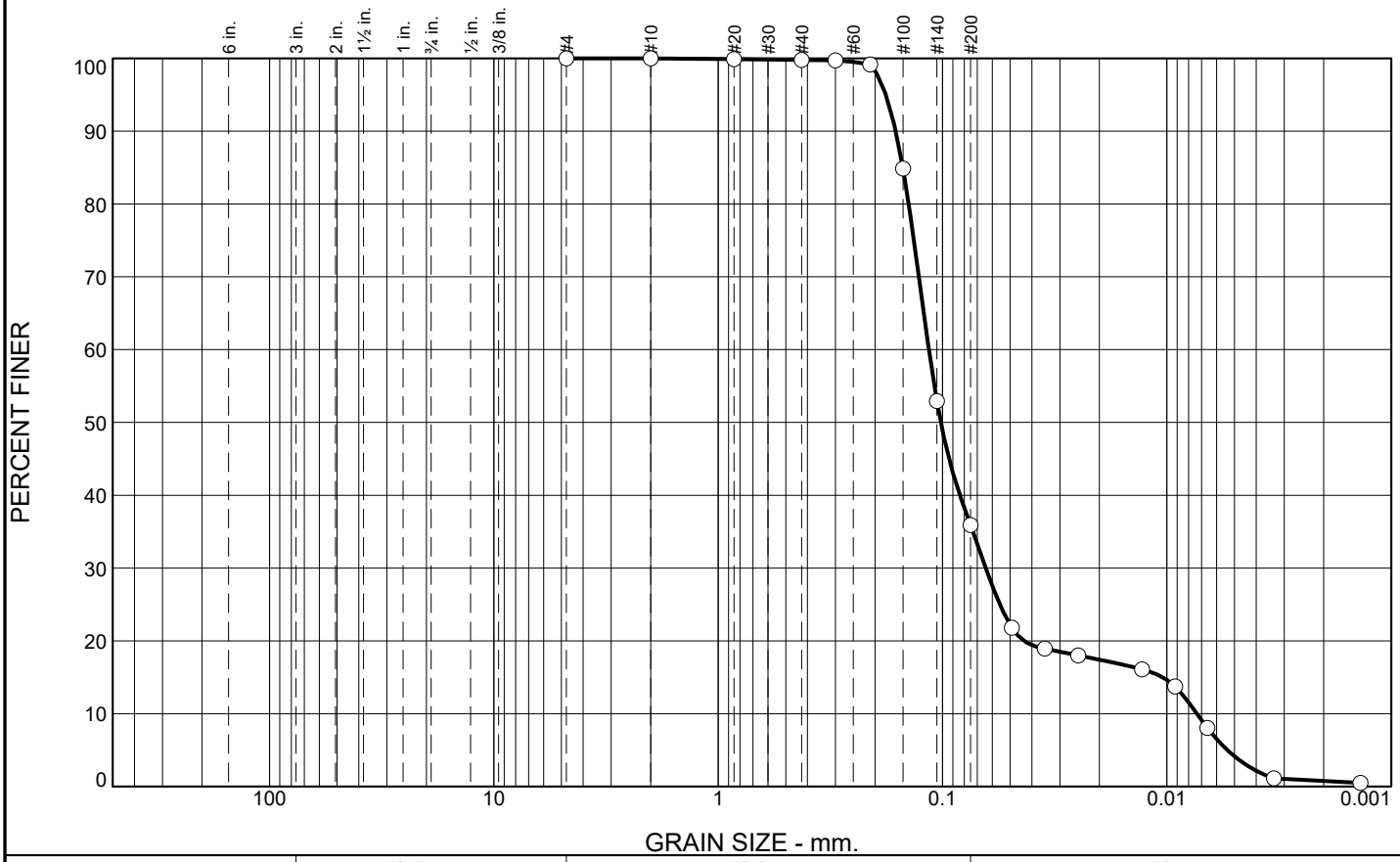
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 63.9 | 31.8 | 4.1 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.8 | | |
| #50 | 99.7 | | |
| #70 | 99.2 | | |
| #100 | 84.9 | | |
| #140 | 52.9 | | |
| #200 | 35.9 | | |
| 0.0491 mm. | 21.8 | | |
| 0.0350 mm. | 18.9 | | |
| 0.0248 mm. | 18.0 | | |
| 0.0129 mm. | 16.1 | | |
| 0.0092 mm. | 13.7 | | |
| 0.0066 mm. | 8.0 | | |
| 0.0033 mm. | 1.1 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1617 $D_{85}$= 0.1503 $D_{60}$= 0.1151
$D_{50}$= 0.1018 $D_{30}$= 0.0642 $D_{15}$= 0.0104
$D_{10}$= 0.0074 $C_u$= 15.65 $C_c$= 4.87

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 44

**Date:** 3/6/2023

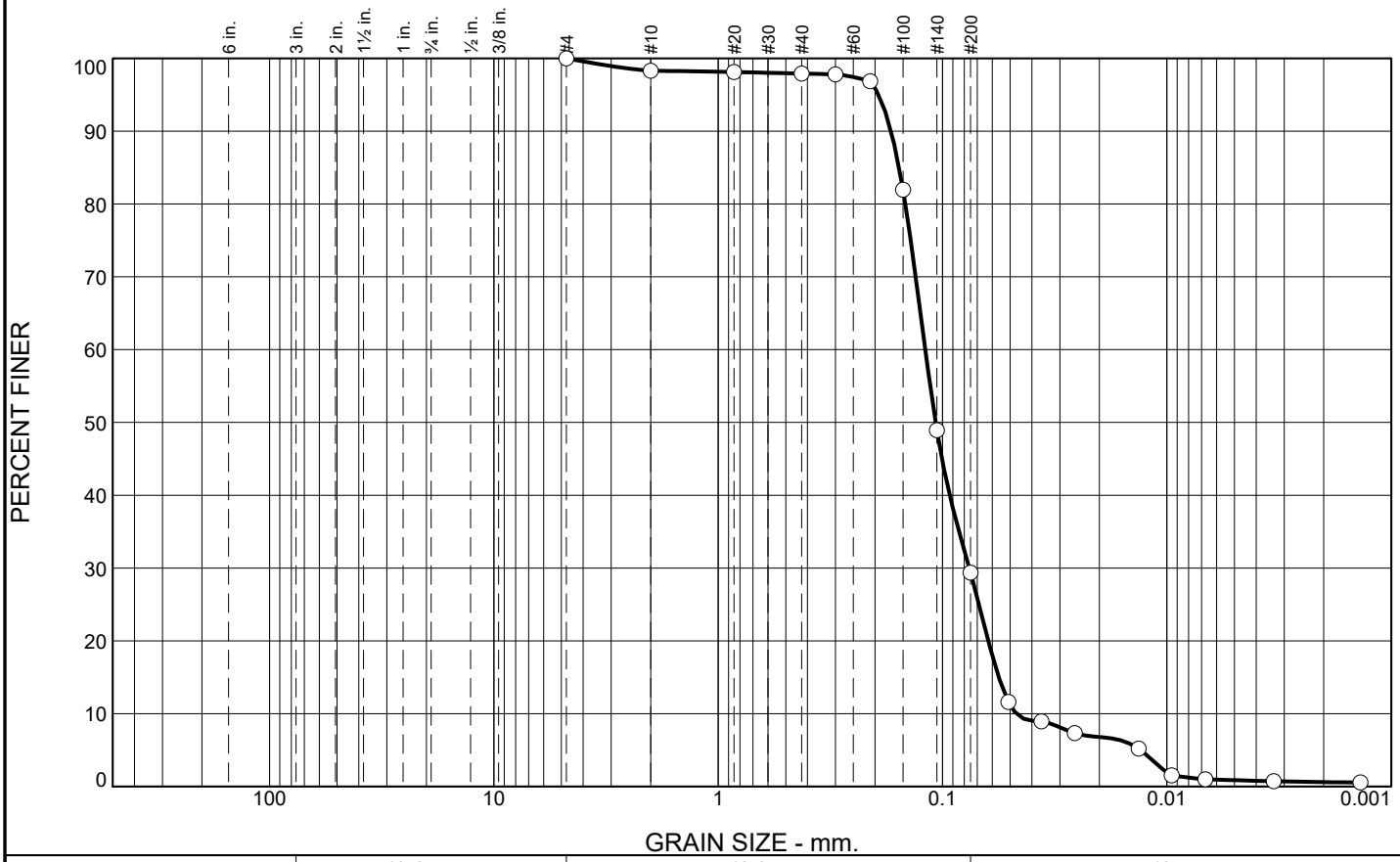
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 1.7 | 0.4 | 68.5 | 28.5 | 0.9 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 98.3 | | |
| #20 | 98.1 | | |
| #40 | 97.9 | | |
| #50 | 97.8 | | |
| #70 | 96.9 | | |
| #100 | 82.0 | | |
| #140 | 48.9 | | |
| #200 | 29.4 | | |
| 0.0509 mm. | 11.6 | | |
| 0.0362 mm. | 8.9 | | |
| 0.0257 mm. | 7.3 | | |
| 0.0134 mm. | 5.2 | | |
| 0.0095 mm. | 1.5 | | |
| 0.0067 mm. | 1.0 | | |
| 0.0033 mm. | 0.7 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1697 $D_{85}$= 0.1562 $D_{60}$= 0.1194
$D_{50}$= 0.1074 $D_{30}$= 0.0760 $D_{15}$= 0.0562
$D_{10}$= 0.0469 $C_u$= 2.55 $C_c$= 1.03

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 45

**Date:** 3/6/2023

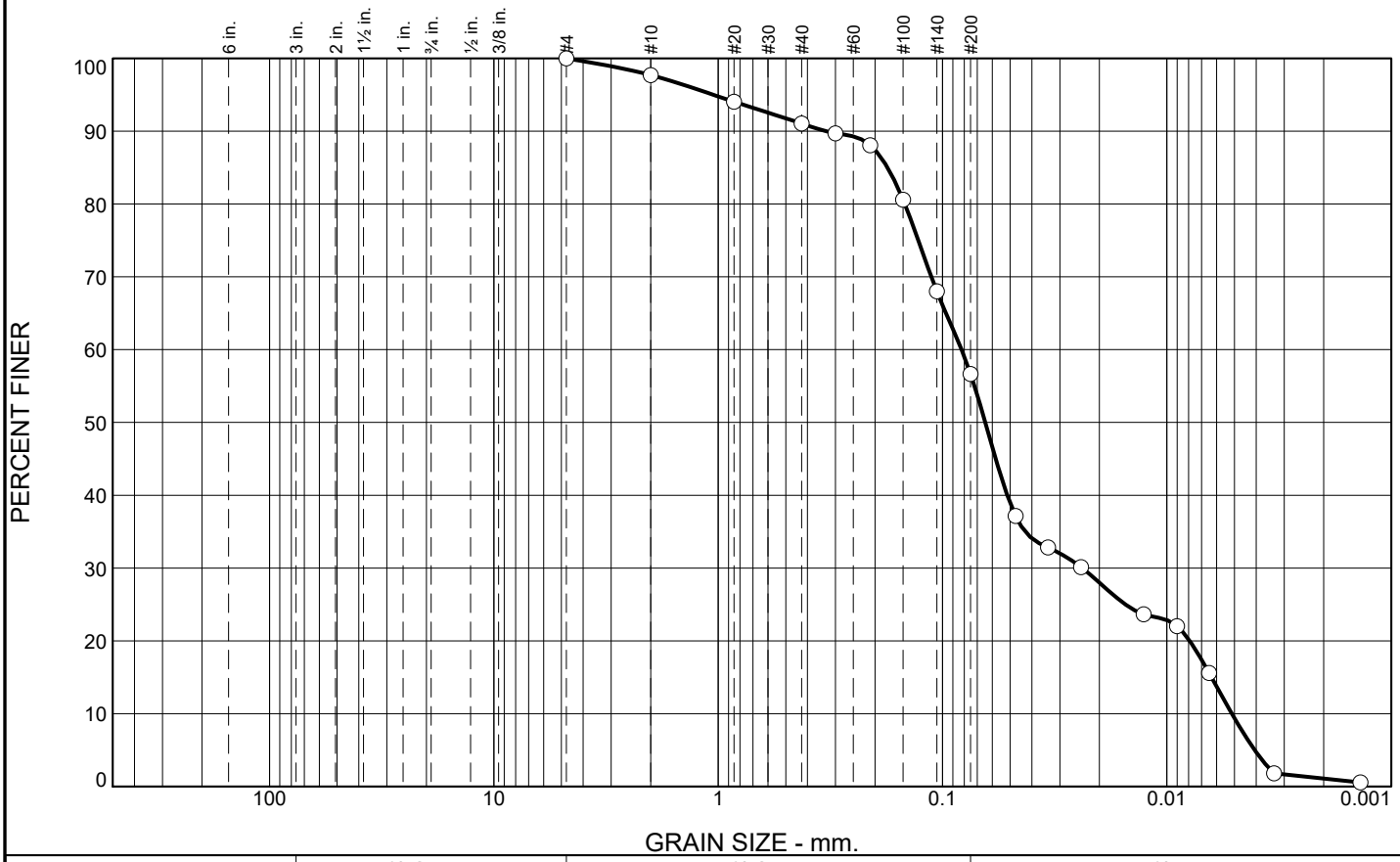
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 2.3 | 6.6 | 34.4 | 47.3 | 9.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 97.7 | | |
| #20 | 94.1 | | |
| #40 | 91.1 | | |
| #50 | 89.7 | | |
| #70 | 88.1 | | |
| #100 | 80.6 | | |
| #140 | 68.0 | | |
| #200 | 56.7 | | |
| 0.0473 mm. | 37.1 | | |
| 0.0339 mm. | 32.8 | | |
| 0.0241 mm. | 30.1 | | |
| 0.0127 mm. | 23.6 | | |
| 0.0090 mm. | 22.0 | | |
| 0.0065 mm. | 15.6 | | |
| 0.0033 mm. | 1.8 | | |
| 0.0014 mm. | 0.6 | | |

* (no specification provided)

**Soil Description**

Silt, some fine to coarse-grained sand-sized quartz, few clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.3307 $D_{85}$= 0.1758 $D_{60}$= 0.0822
$D_{50}$= 0.0645 $D_{30}$= 0.0238 $D_{15}$= 0.0063
$D_{10}$= 0.0051 $C_u$= 16.01 $C_c$= 1.35

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 46

**Date:** 3/6/2023

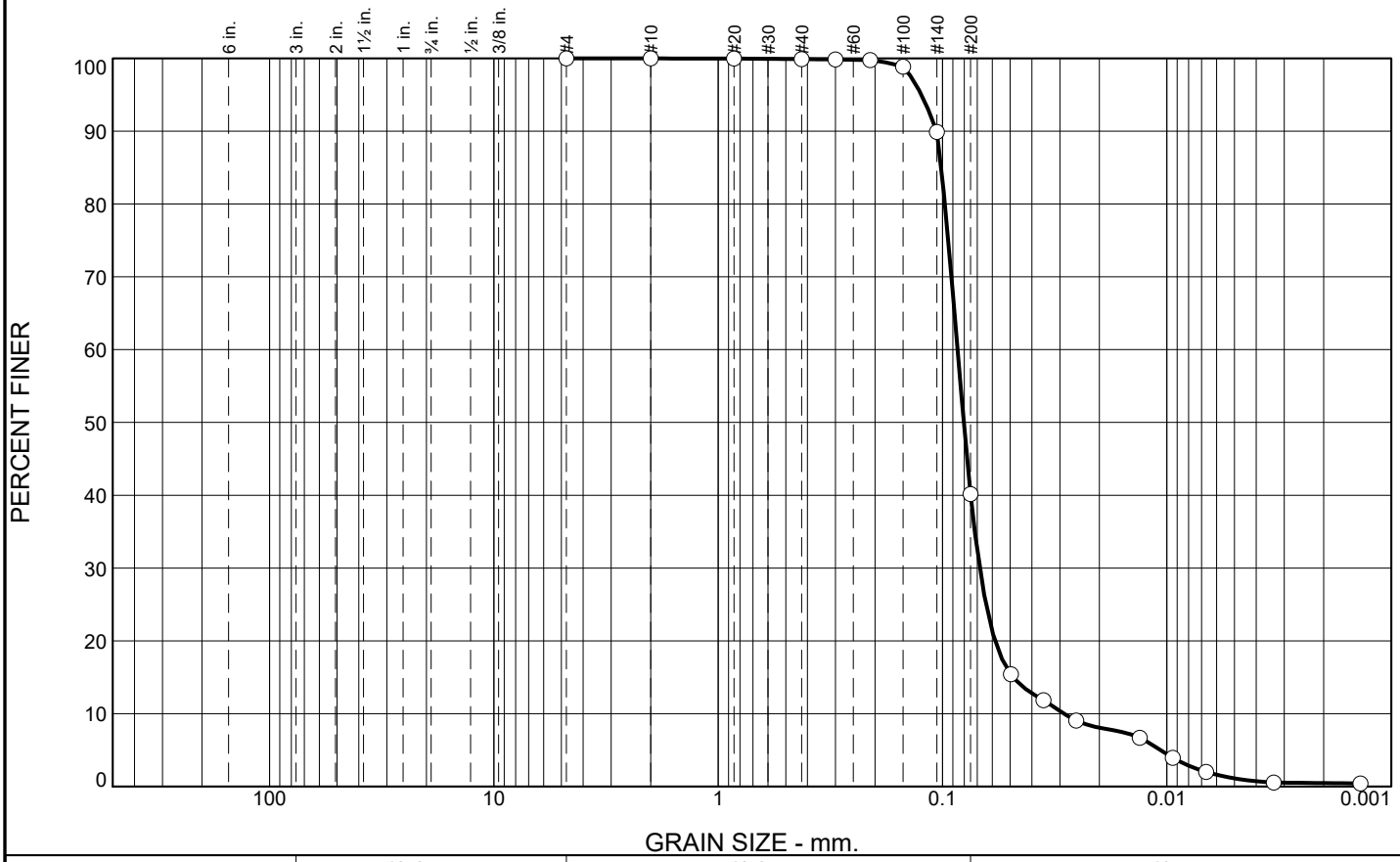
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 59.7 | 39.1 | 1.1 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 99.9 | | |
| #50 | 99.9 | | |
| #70 | 99.8 | | |
| #100 | 98.9 | | |
| #140 | 89.9 | | |
| #200 | 40.2 | | |
| 0.0496 mm. | 15.4 | | |
| 0.0355 mm. | 11.8 | | |
| 0.0254 mm. | 9.1 | | |
| 0.0132 mm. | 6.7 | | |
| 0.0094 mm. | 3.9 | | |
| 0.0067 mm. | 2.0 | | |
| 0.0033 mm. | 0.5 | | |
| 0.0014 mm. | 0.4 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1063 $D_{85}$= 0.1014 $D_{60}$= 0.0857
$D_{50}$= 0.0804 $D_{30}$= 0.0683 $D_{15}$= 0.0484
$D_{10}$= 0.0288 $C_u$= 2.98 $C_c$= 1.89

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 47

**Date:** 3/6/2023

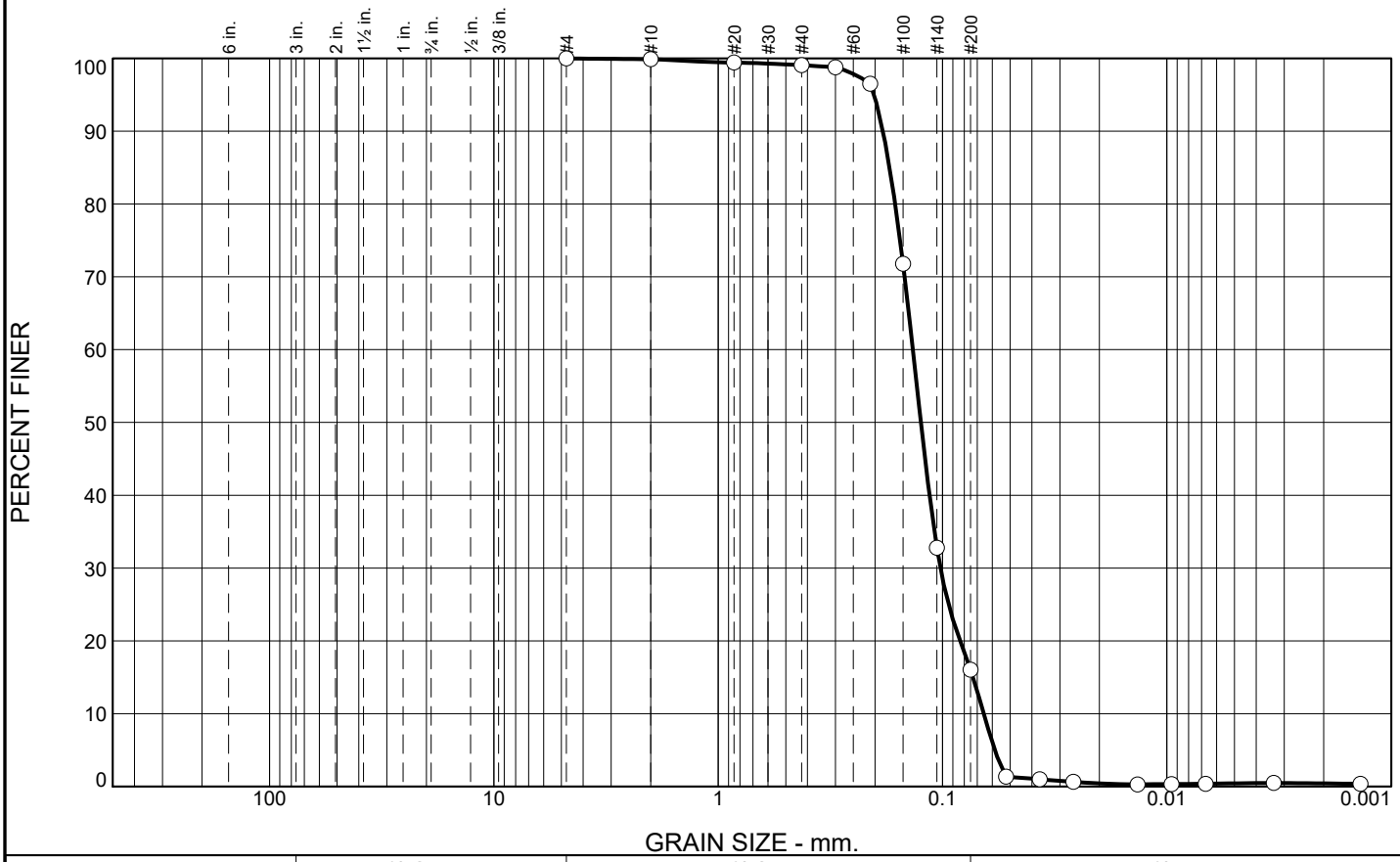
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | 83.1 | 15.6 | 0.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.9 | | |
| #20 | 99.4 | | |
| #40 | 99.1 | | |
| #50 | 98.8 | | |
| #70 | 96.5 | | |
| #100 | 71.8 | | |
| #140 | 32.8 | | |
| #200 | 16.0 | | |
| 0.0521 mm. | 1.3 | | |
| 0.0369 mm. | 1.0 | | |
| 0.0261 mm. | 0.6 | | |
| 0.0135 mm. | 0.3 | | |
| 0.0095 mm. | 0.3 | | |
| 0.0067 mm. | 0.4 | | |
| 0.0033 mm. | 0.5 | | |
| 0.0014 mm. | 0.4 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, gray

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1843 $D_{85}$= 0.1722 $D_{60}$= 0.1356
$D_{50}$= 0.1249 $D_{30}$= 0.1022 $D_{15}$= 0.0731
$D_{10}$= 0.0655 $C_u$= 2.07 $C_c$= 1.18

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 48

**Date:** 3/6/2023

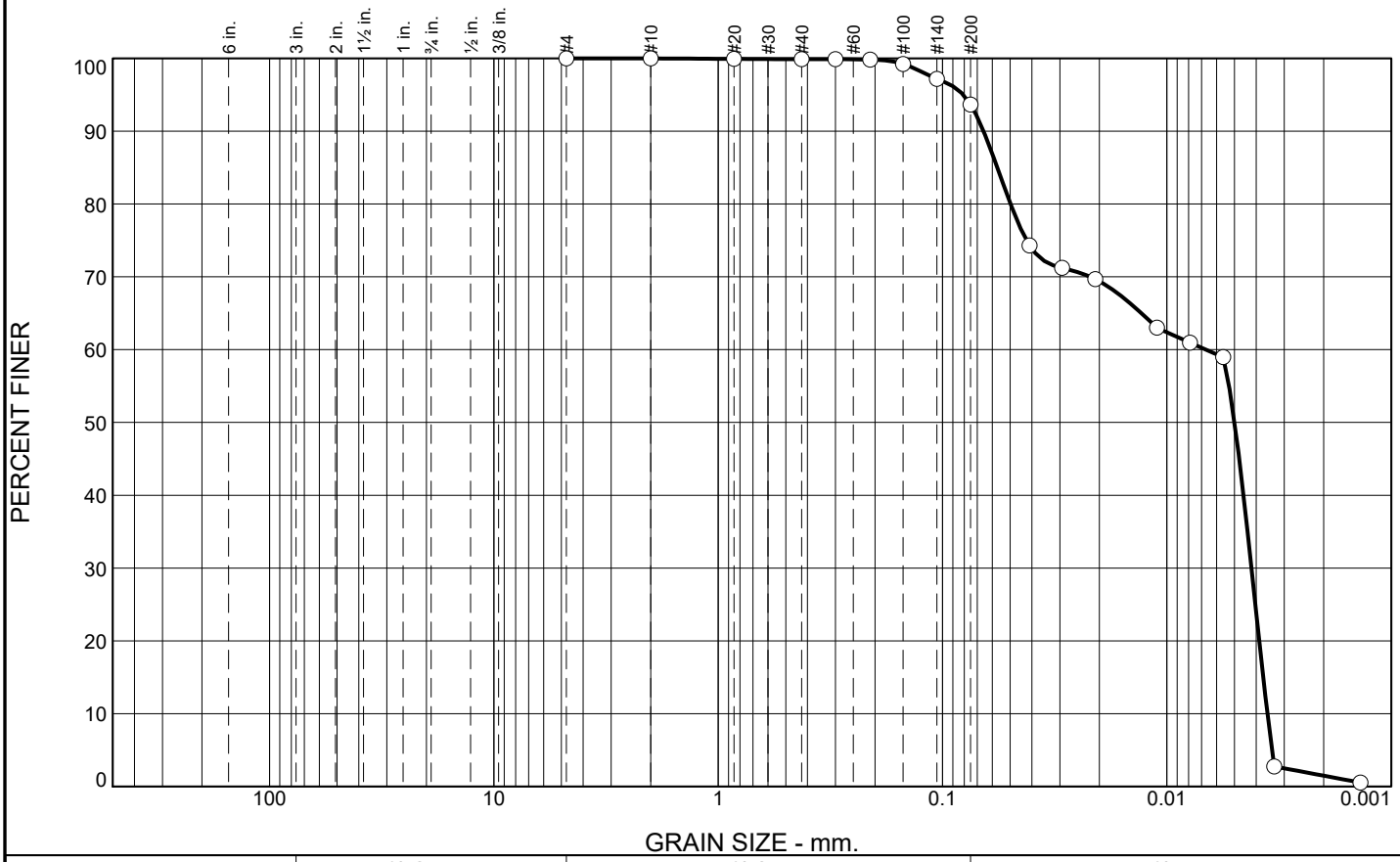
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 6.2 | 43.5 | 50.2 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.9 | | |
| #50 | 99.9 | | |
| #70 | 99.8 | | |
| #100 | 99.2 | | |
| #140 | 97.2 | | |
| #200 | 93.7 | | |
| 0.0409 mm. | 74.3 | | |
| 0.0293 mm. | 71.2 | | |
| 0.0209 mm. | 69.7 | | |
| 0.0111 mm. | 63.0 | | |
| 0.0079 mm. | 61.0 | | |
| 0.0056 mm. | 59.0 | | |
| 0.0033 mm. | 2.7 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Clay, lean, some silt, few fine-grained sand-sized quartz, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.0656 $D_{85}$= 0.0570 $D_{60}$= 0.0067
$D_{50}$= 0.0050 $D_{30}$= 0.0042 $D_{15}$= 0.0037
$D_{10}$= 0.0036 $C_u$= 1.88 $C_c$= 0.74

**Classification**

USCS= CL AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 54

**Date:** 3/6/2023

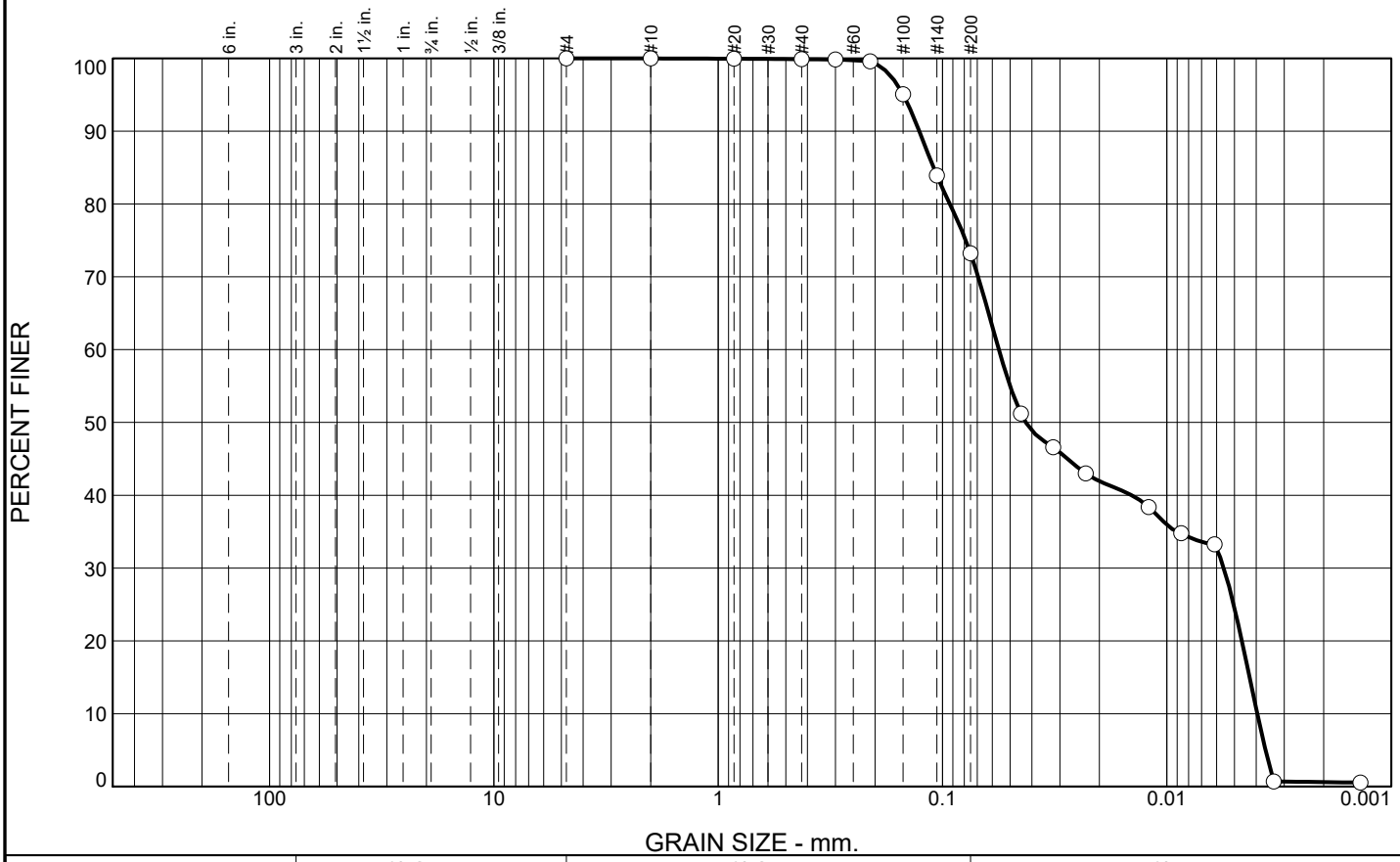
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 26.7 | 48.7 | 24.5 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 99.9 | | |
| #50 | 99.9 | | |
| #70 | 99.6 | | |
| #100 | 95.1 | | |
| #140 | 83.9 | | |
| #200 | 73.2 | | |
| 0.0447 mm. | 51.2 | | |
| 0.0321 mm. | 46.6 | | |
| 0.0230 mm. | 43.0 | | |
| 0.0121 mm. | 38.4 | | |
| 0.0086 mm. | 34.8 | | |
| 0.0061 mm. | 33.3 | | |
| 0.0033 mm. | 0.7 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Silt, little fine-grained sand-sized quartz, little clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1270 $D_{85}$= 0.1096 $D_{60}$= 0.0561
$D_{50}$= 0.0425 $D_{30}$= 0.0056 $D_{15}$= 0.0043
$D_{10}$= 0.0040 $C_u$= 14.18 $C_c$= 0.14

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 55

**Date:** 3/6/2023

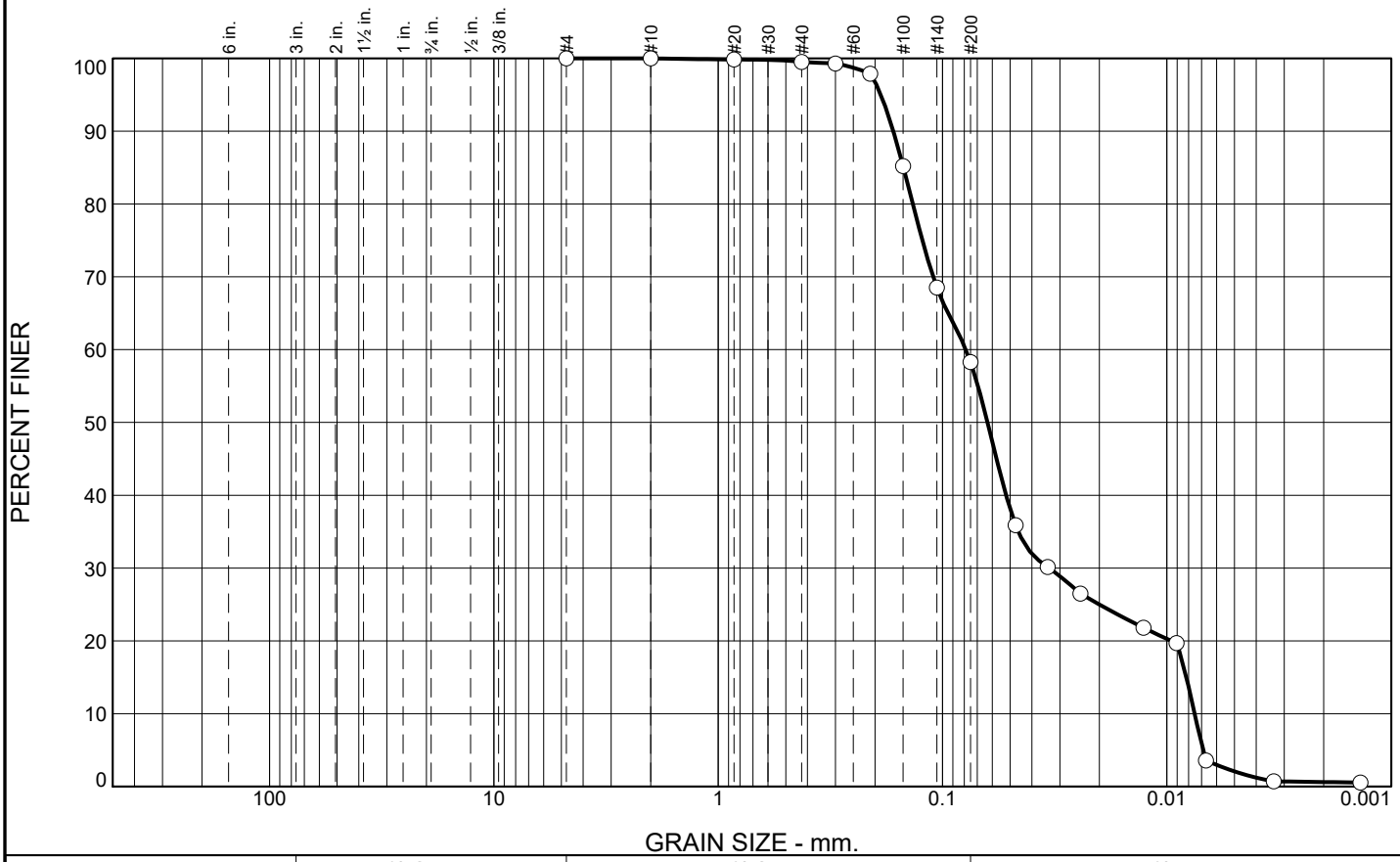
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 41.2 | 56.2 | 2.1 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.5 | | |
| #50 | 99.3 | | |
| #70 | 97.9 | | |
| #100 | 85.2 | | |
| #140 | 68.5 | | |
| #200 | 58.3 | | |
| 0.0472 mm. | 35.9 | | |
| 0.0340 mm. | 30.1 | | |
| 0.0243 mm. | 26.5 | | |
| 0.0127 mm. | 21.8 | | |
| 0.0091 mm. | 19.7 | | |
| 0.0067 mm. | 3.6 | | |
| 0.0033 mm. | 0.7 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Silt, some fine-grained sand-sized quartz, trace clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1658 $D_{85}$= 0.1493 $D_{60}$= 0.0787
$D_{50}$= 0.0631 $D_{30}$= 0.0335 $D_{15}$= 0.0082
$D_{10}$= 0.0075 $C_u$= 10.46 $C_c$= 1.90

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 56

**Date:** 3/6/2023

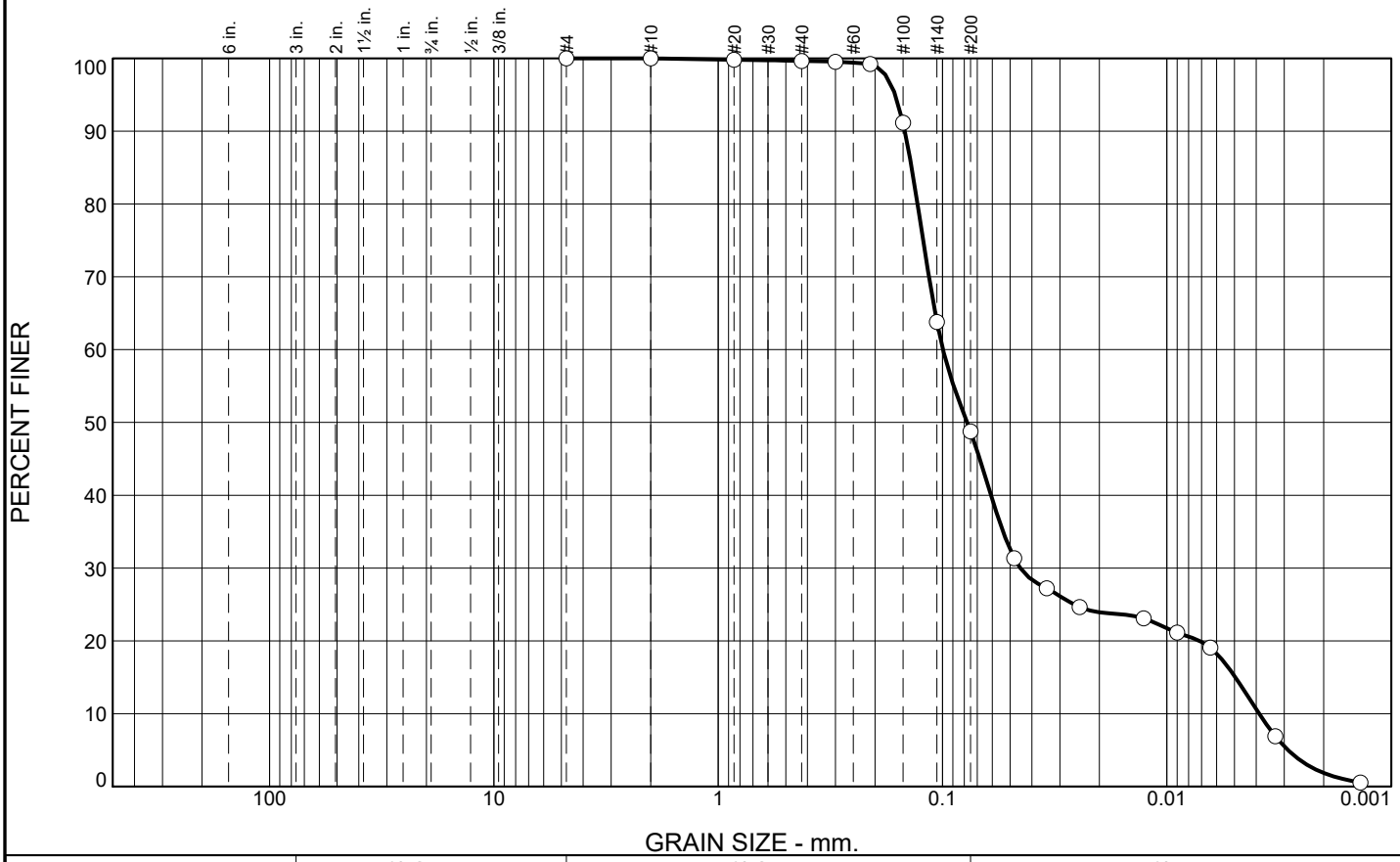
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 50.8 | 33.6 | 15.2 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.8 | | |
| #40 | 99.6 | | |
| #50 | 99.5 | | |
| #70 | 99.2 | | |
| #100 | 91.2 | | |
| #140 | 63.8 | | |
| #200 | 48.8 | | |
| 0.0479 mm. | 31.4 | | |
| 0.0343 mm. | 27.2 | | |
| 0.0245 mm. | 24.6 | | |
| 0.0127 mm. | 23.1 | | |
| 0.0090 mm. | 21.1 | | |
| 0.0064 mm. | 19.1 | | |
| 0.0033 mm. | 6.9 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, little clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1472 $D_{85}$= 0.1373 $D_{60}$= 0.0995
$D_{50}$= 0.0776 $D_{30}$= 0.0451 $D_{15}$= 0.0050
$D_{10}$= 0.0039 $C_u$= 25.66 $C_c$= 5.26

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 58

**Date:** 3/6/2023

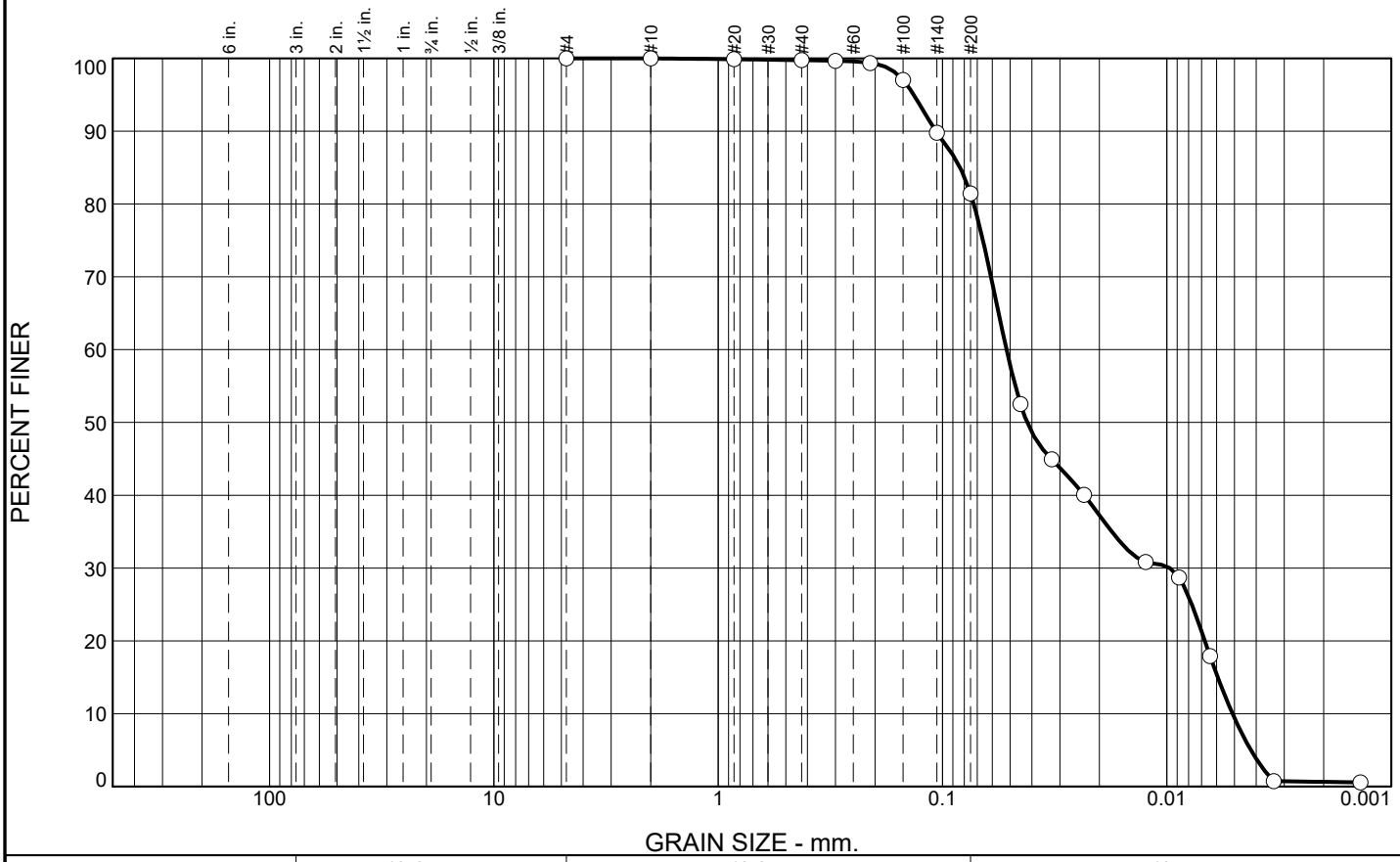
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 18.4 | 72.0 | 9.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 99.9 | | |
| #40 | 99.8 | | |
| #50 | 99.7 | | |
| #70 | 99.4 | | |
| #100 | 97.0 | | |
| #140 | 89.8 | | |
| #200 | 81.4 | | |
| 0.0450 mm. | 52.5 | | |
| 0.0326 mm. | 44.9 | | |
| 0.0234 mm. | 40.0 | | |
| 0.0124 mm. | 30.8 | | |
| 0.0088 mm. | 28.7 | | |
| 0.0064 mm. | 17.9 | | |
| 0.0033 mm. | 0.7 | | |
| 0.0014 mm. | 0.6 | | |

* (no specification provided)

**Soil Description**

Silt, little fine-grained sand-sized quartz, few clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1071 $D_{85}$= 0.0834 $D_{60}$= 0.0519
$D_{50}$= 0.0420 $D_{30}$= 0.0097 $D_{15}$= 0.0059
$D_{10}$= 0.0051 $C_u$= 10.18 $C_c$= 0.36

**Classification**

USCS= ML AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 59

**Date:** 3/6/2023

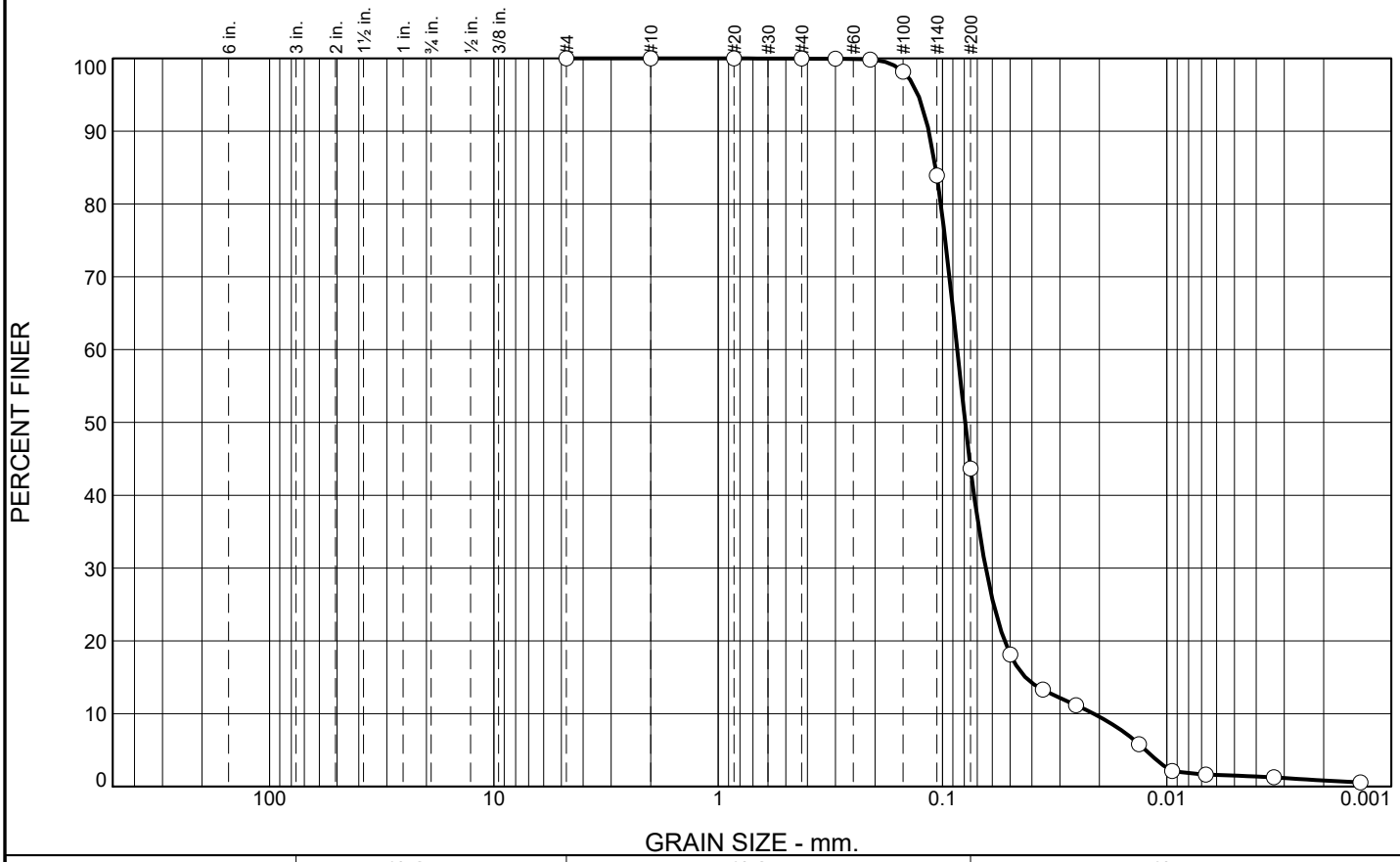
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 56.3 | 42.2 | 1.5 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 100.0 | | |
| #20 | 100.0 | | |
| #40 | 100.0 | | |
| #50 | 100.0 | | |
| #70 | 99.8 | | |
| #100 | 98.2 | | |
| #140 | 83.9 | | |
| #200 | 43.7 | | |
| 0.0499 mm. | 18.1 | | |
| 0.0357 mm. | 13.3 | | |
| 0.0254 mm. | 11.2 | | |
| 0.0133 mm. | 5.8 | | |
| 0.0095 mm. | 2.1 | | |
| 0.0067 mm. | 1.6 | | |
| 0.0033 mm. | 1.3 | | |
| 0.0014 mm. | 0.5 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, some silt, trace clay, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.1151 $D_{85}$= 0.1073 $D_{60}$= 0.0860
$D_{50}$= 0.0793 $D_{30}$= 0.0642 $D_{15}$= 0.0428
$D_{10}$= 0.0212 $C_u$= 4.05 $C_c$= 2.26

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 60

**Date:** 3/6/2023

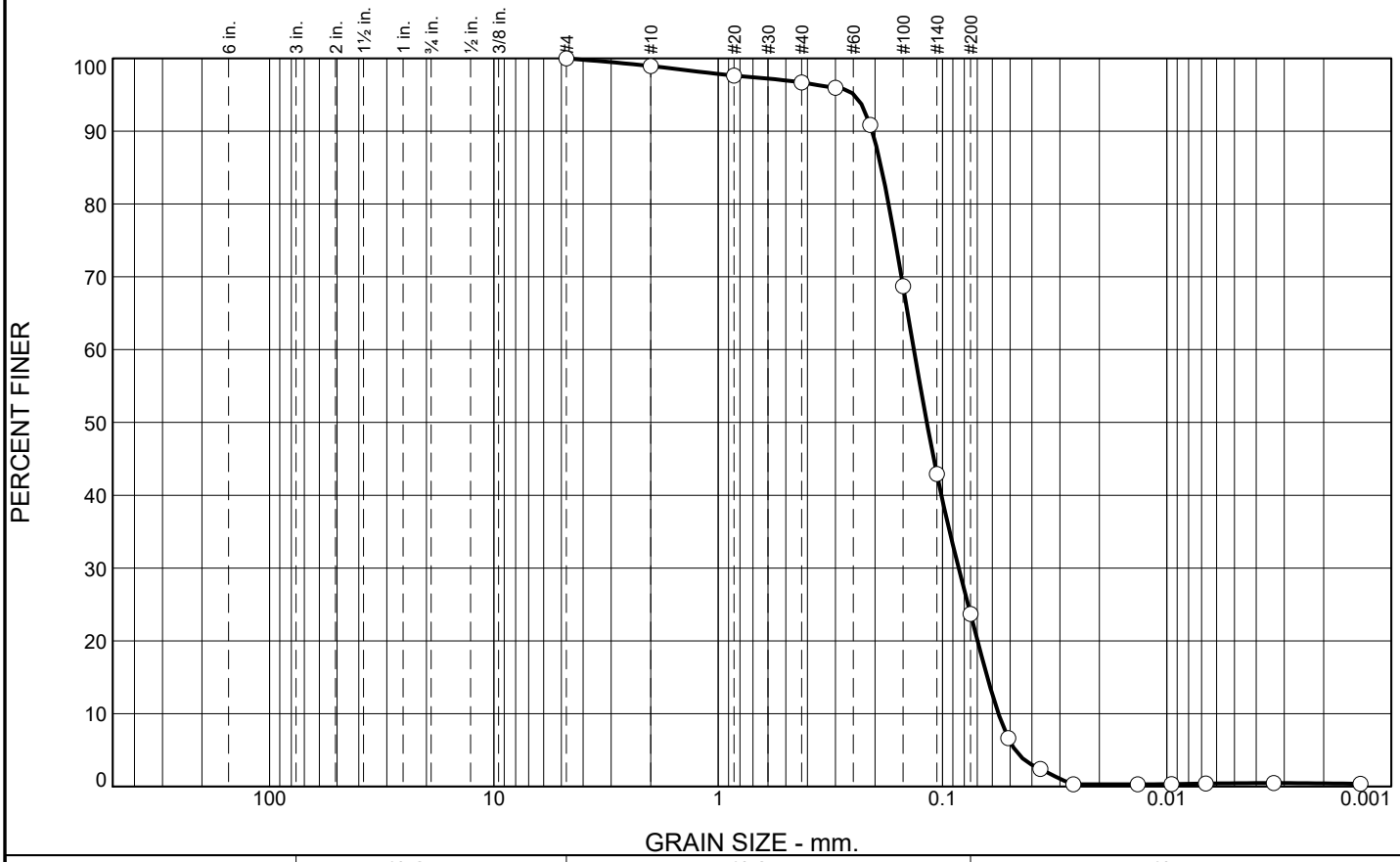
**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Particle Size Distribution Report




| % +3" | % Gravel | | % Sand | | | % Fines | |
|---|---|---|---|---|---|---|---|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 0.0 | 0.0 | 1.0 | 2.3 | 73.0 | 23.3 | 0.4 |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.0 | | |
| #20 | 97.6 | | |
| #40 | 96.7 | | |
| #50 | 96.0 | | |
| #70 | 90.9 | | |
| #100 | 68.7 | | |
| #140 | 42.9 | | |
| #200 | 23.7 | | |
| 0.0510 mm. | 6.6 | | |
| 0.0367 mm. | 2.4 | | |
| 0.0261 mm. | 0.3 | | |
| 0.0135 mm. | 0.3 | | |
| 0.0095 mm. | 0.3 | | |
| 0.0067 mm. | 0.4 | | |
| 0.0033 mm. | 0.5 | | |
| 0.0014 mm. | 0.4 | | |

* (no specification provided)

**Soil Description**

Sand, silty, mostly fine-grained sand-sized quartz, little silt, tan

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{90}$= 0.2058 $D_{85}$= 0.1875 $D_{60}$= 0.1342
$D_{50}$= 0.1175 $D_{30}$= 0.0847 $D_{15}$= 0.0632
$D_{10}$= 0.0564 $C_u$= 2.38 $C_c$= 0.95

**Classification**

USCS= SM AASHTO=

**Remarks**

**Source of Sample:** 23A1459
**Sample Number:** 66

**Date:** 3/6/2023

**Taylor Engineering, Inc.**

**Client:** North Water District Laboratory Services
**Project:** 23A1459

**Project No:** C2022-020 **Figure**

**Tested By:** NEL

# Laboratory Analysis Report

Total Number of Pages: 23

Job ID : 23020290

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

**Client Project Name :**
**23A1459**

**Report To :**

Client Name: NWDLS
Attn: Monica O. Martin
Client Address: 130 S Trade Center Pkwy
City, State, Zip: Conroe, Texas, 77385

P.O.#.: 23A1459
Sample Collected By:
Date Collected: 01/25/23 - 02/01/23

**A&B Labs has analyzed the following samples...**

| Client Sample ID | Matrix | A&B Sample ID |
|---|---|---|
| 23A1459-02 | Water | 23020290.01 |
| 23A1459-03 | Water | 23020290.02 |
| 23A1459-04 | Water | 23020290.03 |
| 23A1459-05 | Water | 23020290.04 |
| 23A1459-07 | Water | 23020290.05 |
| 23A1459-08 | Water | 23020290.06 |
| 23A1459-09 | Water | 23020290.07 |
| 23A1459-10 | Water | 23020290.08 |
| 23A1459-11 | Water | 23020290.09 |
| 23A1459-12 | Water | 23020290.10 |
| 23A1459-13 | Water | 23020290.11 |
| 23A1459-49 | Water | 23020290.12 |
| 23A1459-50 | Water | 23020290.13 |
| 23A1459-51 | Water | 23020290.14 |
| 23A1459-52 | Water | 23020290.15 |
| 23A1459-62 | Water | 23020290.16 |

Released By: Senthilkumar Sevukan
Title: Vice President Operations
Date: 2/9/2023

This Laboratory is NELAP ( T104704213) accredited. Effective: 04/01/2022; Expires: 3/31/2023
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 02/03/2023 07:20

# LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 23020290

Date: 2/9/2023

## General Term Definition

| | | | |
|---|---|---|---|
| Back-Wt | Back Weight | Post-Wt | Post Weight |
| BRL | Below Reporting Limit | ppm | parts per million |
| cfu | colony-forming units | Pre-Wt | Previous Weight |
| Conc. | Concentration | Q | Qualifier |
| D.F. | Dilution Factor | RegLimit | Regulatory Limit |
| Front-Wt | Front Weight | RPD | Relative Percent Difference |
| LCS | Laboratory Check Standard | RptLimit | Reporting Limit |
| LCSD | Laboratory Check Standard Duplicate | SDL | Sample Detection Limit |
| MS | Matrix Spike | surr | Surrogate |
| MSD | Matrix Spike Duplicate | T | Time |
| MW | Molecular Weight | TNTC | Too numerous to count |
| J | Estimation. Below calibration range but above MDL | MQL | Minimum Quantitation Limit |

## Qualifier Definition

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-02
Date Collected: 01/25/23
Time Collected: 11:20
Other Information:

Job Sample ID: 23020290.01
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 3.1 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-03
Date Collected: 01/25/23
Time Collected: 14:17
Other Information:

Job Sample ID: 23020290.02
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 3.1 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-04
Date Collected: 01/25/23
Time Collected: 15:45
Other Information:

Job Sample ID: 23020290.03
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 3 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-05
Date Collected: 01/27/23
Time Collected: 12:00
Other Information:

Job Sample ID: 23020290.04
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 2.3 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-07
Date Collected: 02/01/23
Time Collected: 10:00
Other Information:

Job Sample ID: 23020290.05
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 9.9 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-08
Date Collected: 02/01/23
Time Collected: 10:00
Other Information:

Job Sample ID: 23020290.06
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 5.2 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-09
Date Collected: 02/01/23
Time Collected: 10:00
Other Information:

Job Sample ID: 23020290.07
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 4.9 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-10
Date Collected: 02/01/23
Time Collected: 10:00
Other Information:

Job Sample ID: 23020290.08
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 4.6 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-11
Date Collected: 02/01/23
Time Collected: 10:00
Other Information:

Job Sample ID: 23020290.09
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 4.6 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-12
Date Collected: 02/01/23
Time Collected: 10:00
Other Information:

Job Sample ID: 23020290.10
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 4.1 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-13
Date Collected: 02/01/23
Time Collected: 10:00
Other Information:

Job Sample ID: 23020290.11
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 3.9 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-49
Date Collected: 01/27/23
Time Collected: 16:07
Other Information:

Job Sample ID: 23020290.12
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 2.2 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-50
Date Collected: 01/27/23
Time Collected: 15:20
Other Information:

Job Sample ID: 23020290.13
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 2.5 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-51
Date Collected: 02/01/23
Time Collected: 10:00
Other Information:

Job Sample ID: 23020290.14
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 2.5 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-52
Date Collected: 02/01/23
Time Collected: 10:00
Other Information:

Job Sample ID: 23020290.15
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 2.6 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020290

Date 2/9/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-62
Date Collected: 01/27/23
Time Collected: 13:26
Other Information:

Job Sample ID: 23020290.16
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 2 | mg/L | 1 | 0.35 | 1 | | | 02/03/23 14:00 | AJ |

ab-q212-0321

# QUALITY CONTROL CERTIFICATE

**Job ID :** 23020290 **Date :** 2/9/2023

**Analysis : Total Organic Carbon** **Method : EPA 415.1** **Reporting Units : mg/L**

**QC Batch ID :** Qb23020626 **Created Date :** 02/06/23 **Created By :** Ajohn

**Samples in This QC Batch :** 23020290.01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16

**QC Type: Method Blank**

| Parameter | CAS # | Result | Units | D.F. | MQL | MDL | | Qual |
|---|---|---|---|---|---|---|---|---|
| TOC | TOC | < MDL | mg/L | 1 | 1 | 0.35 | | |

**QC Type: LCS and LCSD**

| Parameter | LCS Spk Added | LCS Result | LCS % Rec | LCSD Spk Added | LCSD Result | LCSD % Rec | RPD | RPD CtrlLimit | %Recovery CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TOC | 10 | 9.5 | 95 | | | | | | 90-110 | |

**QC Type: MS and MSD**
**QC Sample ID: 23020290.16**

| Parameter | Sample Result | MS Spk Added | MS Result | MS % Rec | MSD Spk Added | MSD Result | MSD % Rec | RPD | RPD CtrlLimit | %Rec CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TOC | 2.0 | 5 | 6.7 | 94 | 5 | 6.7 | 94 | 0 | 10 | 80-120 | |

NWDLS
North Water District Laboratory Services, Inc.

Job ID:23020290
02/03/2023 NWDLS AMS

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

## Work Order: 23A1459

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-02** ***Marine Water Sampled: 01/25/2023 11:20*** | | | |
| TOC-415.1<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* 01A | 03/06/2023 | 02/22/2023 11:20 | |
| **Sample ID: 23A1459-03** ***Marine Water Sampled: 01/25/2023 14:17*** | | | |
| TOC-415.1<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* 02A | 03/06/2023 | 02/22/2023 14:17 | |
| **Sample ID: 23A1459-04** ***Marine Water Sampled: 01/25/2023 15:45*** | | | |
| TOC-415.1<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* 03A | 03/06/2023 | 02/22/2023 15:45 | |
| **Sample ID: 23A1459-05** ***Marine Water Sampled: 01/27/2023 12:00*** | | | |
| TOC-415.1<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* 04A | 03/06/2023 | 02/24/2023 12:00 | |
| **Sample ID: 23A1459-07** ***Elutriate Sampled: 01/16/2023 14:20*** | | | |
| TOC-415.1-ELUT<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* 05A | 03/06/2023 | 02/13/2023 14:20 | Leached: 02/01/2023 10:00 |

NWDLS
North Water District Laboratory Services, Inc.

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-08** ***Elutriate*** ***Sampled: 01/16/2023 17:20*** | | | |
| TOC-415.1-ELUT 06A<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/13/2023 17:20 | Leached: 02/01/2023 10:00 |
| **Sample ID: 23A1459-09** ***Elutriate*** ***Sampled: 01/19/2023 15:20*** | | | |
| TOC-415.1-ELUT 07A<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/16/2023 15:20 | Leached: 02/01/2023 10:00 |
| **Sample ID: 23A1459-10** ***Elutriate*** ***Sampled: 01/19/2023 17:00*** | | | |
| TOC-415.1-ELUT 08A<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/16/2023 17:00 | Leached: 02/01/2023 10:00 |
| **Sample ID: 23A1459-11** ***Elutriate*** ***Sampled: 01/18/2023 09:40*** | | | |
| TOC-415.1-ELUT 09A<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/15/2023 09:40 | Leached: 02/01/2023 10:00 |
| **Sample ID: 23A1459-12** ***Elutriate*** ***Sampled: 01/18/2023 11:15*** | | | |
| TOC-415.1-ELUT 10A<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/15/2023 11:15 | Leached: 02/01/2023 10:00 |
| **Sample ID: 23A1459-13** ***Elutriate*** ***Sampled: 01/16/2023 16:37*** | | | |
| TOC-415.1-ELUT 11A<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/13/2023 16:37 | Leached: 02/01/2023 10:00 |

NWDLS
North Water District Laboratory Services, Inc.

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-49** ***Marine Water Sampled: 01/27/2023 16:07*** | | | |
| TOC-415.1 12A<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/24/2023 16:07 | |
| **Sample ID: 23A1459-50** ***Marine Water Sampled: 01/27/2023 15:20*** | | | |
| TOC-415.1 13A<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/24/2023 15:20 | |
| **Sample ID: 23A1459-51** ***Elutriate Sampled: 01/23/2023 13:05*** | | | |
| TOC-415.1-ELUT 14A<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/20/2023 13:05 | Leached: 02/01/2023 10:00 |
| **Sample ID: 23A1459-52** ***Elutriate Sampled: 01/21/2023 10:00*** | | | |
| TOC-415.1-ELUT 15A<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/18/2023 10:00 | Leached: 02/01/2023 10:00 |
| **Sample ID: 23A1459-62** ***Marine Water Sampled: 01/27/2023 13:26*** | | | |
| TOC-415.1 16A<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/24/2023 13:26 | |

Released By — 2-3-23 7:20 Date — Received By — 7:20 2-3-23 Date

3.9°C
JSM
MM

# Sample Condition Checklist

| | | |
|---|---|---|
| A&B JobID : **23020290** | Date Received : **02/03/2023** | Time Received : **7:20AM** |
| Client Name : **NWDLS** | | |
| Temperature : **3.9°C** | Sample pH : **<2 TOC** | |
| Thermometer ID : **IR4** | pH Paper ID : **104485** | |
| Perservative : | | |

| | Check Points | Yes | No | N/A |
|---|---|---|---|---|
| 1. | **Cooler Seal present and signed.** | | X | |
| 2. | **Sample(s) in a cooler.** | X | | |
| 3. | **If yes, ice in cooler.** | X | | |
| 4. | **Sample(s) received with chain-of-custody.** | X | | |
| 5. | **C-O-C signed and dated.** | X | | |
| 6. | **Sample(s) received with signed sample custody seal.** | | X | |
| 7. | **Sample containers arrived intact. (If No comment)** | X | | |
| 8. | **Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐ | | | |
| 9. | **Samples were received in appropriate container(s)** | X | | |
| 10. | **Sample(s) were received with Proper preservative** | X | | |
| 11. | **All samples were tagged or labeled.** | X | | |
| 12. | **Sample ID labels match C-O-C ID's.** | X | | |
| 13. | **Bottle count on C-O-C matches bottles found.** | X | | |
| 14. | **Sample volume is sufficient for analyses requested.** | X | | |
| 15. | **Samples were received with in the hold time.** | X | | |
| 16. | **VOA vials completely filled.** | | | X |
| 17. | **Sample accepted.** | X | | |
| 18. | **Has client been contacted about sub-out** | | | X |

| **Comments : Include actions taken to resolve discrepancies/problem:** |
|---|
| |

Received by : Amber

Check in by/date : Amber / 02/03/2023

ab-s005-0321

# Laboratory Analysis Report

Total Number of Pages: 10

Job ID : 23020761

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

**Client Project Name :**
**23A1459**

| | | | |
|---|---|---|---|
| **Report To :** | Client Name: | NWDLS | P.O.#.: 23A1459 |
| | Attn: | Monica O. Martin | Sample Collected By: |
| | Client Address: | 130 S Trade Center Pkwy | Date Collected: 02/03/23 |
| | City, State, Zip: | Conroe, Texas, 77385 | |

**A&B Labs has analyzed the following samples...**

| Client Sample ID | Matrix | A&B Sample ID |
|---|---|---|
| 23A1459-14 | Water | 23020761.01 |
| 23A1459-64 | Water | 23020761.02 |
| 23A1459-65 | Water | 23020761.03 |

Released By: Senthilkumar Sevukan
Title: Vice President Operations
Date: 2/15/2023

This Laboratory is NELAP ( T104704213) accredited. Effective: 04/01/2022; Expires: 3/31/2023
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 02/08/2023 08:12

# LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 23020761

Date: 2/15/2023

## General Term Definition

| | | | |
|---|---|---|---|
| Back-Wt | Back Weight | Post-Wt | Post Weight |
| BRL | Below Reporting Limit | ppm | parts per million |
| cfu | colony-forming units | Pre-Wt | Previous Weight |
| Conc. | Concentration | Q | Qualifier |
| D.F. | Dilution Factor | RegLimit | Regulatory Limit |
| Front-Wt | Front Weight | RPD | Relative Percent Difference |
| LCS | Laboratory Check Standard | RptLimit | Reporting Limit |
| LCSD | Laboratory Check Standard Duplicate | SDL | Sample Detection Limit |
| MS | Matrix Spike | surr | Surrogate |
| MSD | Matrix Spike Duplicate | T | Time |
| MW | Molecular Weight | TNTC | Too numerous to count |
| J | Estimation. Below calibration range but above MDL | MQL | Minimum Quantitation Limit |

## Qualifier Definition

# LABORATORY TEST RESULTS

Job ID : 23020761

Date 2/15/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-14
Date Collected: 02/03/23
Time Collected: 09:05
Other Information:

Job Sample ID: 23020761.01
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 2.5 | mg/L | 1 | 0.35 | 1 | | | 02/13/23 09:30 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020761

Date 2/15/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-64
Date Collected: 02/03/23
Time Collected: 09:05
Other Information:

Job Sample ID: 23020761.02
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 4 | mg/L | 1 | 0.35 | 1 | | | 02/13/23 09:30 | AJ |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23020761

Date 2/15/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-65
Date Collected: 02/03/23
Time Collected: 09:05
Other Information:

Job Sample ID: 23020761.03
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| EPA 415.1 | Total Organic Carbon | | | | | | | | | |
| | TOC | 2.2 | mg/L | 1 | 0.35 | 1 | | | 02/13/23 09:30 | AJ |

ab-q212-0321

# QUALITY CONTROL CERTIFICATE

**Job ID :** 23020761 **Date :** 2/15/2023

**Analysis : Total Organic Carbon** **Method : EPA 415.1** **Reporting Units : mg/L**

**QC Batch ID :** Qb23021419 **Created Date :** 02/14/23 **Created By :** Ajohn

**Samples in This QC Batch :** 23020761.01,02,03

**QC Type: Method Blank**

| Parameter | CAS # | Result | Units | D.F. | MQL | MDL | | Qual |
|---|---|---|---|---|---|---|---|---|
| TOC | TOC | < MDL | mg/L | 1 | 1 | 0.35 | | |

**QC Type: LCS and LCSD**

| Parameter | LCS Spk Added | LCS Result | LCS % Rec | LCSD Spk Added | LCSD Result | LCSD % Rec | RPD | RPD CtrlLimit | %Recovery CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| TOC | 10 | 10.6 | 106 | | | | | | 90-110 | |

**QC Type: MS and MSD**
**QC Sample ID: 23021085.01**

| Parameter | Sample Result | MS Spk Added | MS Result | MS % Rec | MSD Spk Added | MSD Result | MSD % Rec | RPD | RPD CtrlLimit | %Rec CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TOC | 40.0 | 5 | 44.4 | 88 | 5 | 44.9 | 98 | 1.1 | 10 | 80-120 | |

NWDLS

Job ID:23020761

02/08/2023 NWDLS AMS

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

## Work Order: 23A1459

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-02** | ***Marine Water*** | ***Sampled: 01/25/2023 11:20*** | |
| TOC-415.1 | 03/06/2023 | 02/22/2023 11:20 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-03** | ***Marine Water*** | ***Sampled: 01/25/2023 14:17*** | |
| TOC-415.1 | 03/06/2023 | 02/22/2023 14:17 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-04** | ***Marine Water*** | ***Sampled: 01/25/2023 15:45*** | |
| TOC-415.1 | 03/06/2023 | 02/22/2023 15:45 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-05** | ***Marine Water*** | ***Sampled: 01/27/2023 12:00*** | |
| TOC-415.1 | 03/06/2023 | 02/24/2023 12:00 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-07** | ***Elutriate*** | ***Sampled: 01/16/2023 14:20*** | |
| TOC-415.1-ELUT | 03/06/2023 | 02/13/2023 14:20 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-14** *Elutriate* ***Sampled: 01/23/2023 00:00*** | | | |
| TOC-415.1-ELUT<br>*Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | 03/06/2023 | 02/20/2023 00:00 | Leached: 02/03/2023 09:05 |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/24/2023 16:07 | |
| *Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/24/2023 15:20 | |
| *Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/20/2023 13:05 | Leached: 02/01/2023 10:00 |
| *Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/18/2023 10:00 | Leached: 02/01/2023 10:00 |
| *Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/24/2023 13:26 | |
| *Analyte(s):*<br>Total Organic Carbon (TOC)<br>*Containers Supplied:* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-64** ***Elutriate Sampled: 01/20/2023 09:30*** | | | |
| TOC-415.1-ELUT | 03/06/2023 | 02/17/2023 09:30 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* | | | |
| 02A Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-65** ***Elutriate Sampled: 01/21/2023 16:45*** | | | |
| TOC-415.1-ELUT | 03/06/2023 | 02/18/2023 16:45 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* | | | |
| 03A Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

Jason Kearley 0812 — Released By

2.8.23 — Date

Received By

02/08/23 ~~0819~~ 0812 — Date

2.3°C

IRY

# Sample Condition Checklist

| | | |
|---|---|---|
| A&B JobID : **23020761** | Date Received : **02/08/2023** | Time Received : **8:12AM** |
| Client Name : **NWDLS** | | |
| Temperature : **2.3°C** | Sample pH : **<2 TOC** | |
| Thermometer ID : **IR4** | pH Paper ID : **104485** | |
| Perservative : | | |

| | Check Points | Yes | No | N/A |
|---|---|---|---|---|
| 1. | **Cooler Seal present and signed.** | | X | |
| 2. | **Sample(s) in a cooler.** | X | | |
| 3. | **If yes, ice in cooler.** | X | | |
| 4. | **Sample(s) received with chain-of-custody.** | X | | |
| 5. | **C-O-C signed and dated.** | X | | |
| 6. | **Sample(s) received with signed sample custody seal.** | | X | |
| 7. | **Sample containers arrived intact. (If No comment)** | X | | |
| 8. | **Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐ | | | |
| 9. | **Samples were received in appropriate container(s)** | X | | |
| 10. | **Sample(s) were received with Proper preservative** | X | | |
| 11. | **All samples were tagged or labeled.** | X | | |
| 12. | **Sample ID labels match C-O-C ID's.** | X | | |
| 13. | **Bottle count on C-O-C matches bottles found.** | X | | |
| 14. | **Sample volume is sufficient for analyses requested.** | X | | |
| 15. | **Samples were received with in the hold time.** | X | | |
| 16. | **VOA vials completely filled.** | | | X |
| 17. | **Sample accepted.** | X | | |
| 18. | **Has client been contacted about sub-out** | | | X |

| **Comments : Include actions taken to resolve discrepancies/problem:** |
|---|
| |

Received by : EValdez

Check in by/date : EValdez / 02/08/2023

ab-s005-0321

# Laboratory Analysis Report

Total Number of Pages: 61

Job ID : 23021134

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

**Client Project Name :**
**23A1459**

**Report To :**

Client Name: NWDLS
Attn: Monica O. Martin
Client Address: 130 S Trade Center Pkwy
City, State, Zip: Conroe, Texas, 77385

P.O.#.: 23A1459
Sample Collected By:
Date Collected: 01/16/23 - 01/27/23

**A&B Labs has analyzed the following samples...**

| Client Sample ID | Matrix | A&B Sample ID |
|---|---|---|
| 23A1459-16 | Solid | 23021134.01 |
| 23A1459-17 | Solid | 23021134.02 |
| 23A1459-18 | Solid | 23021134.03 |
| 23A1459-20 | Solid | 23021134.04 |
| 23A1459-21 | Solid | 23021134.05 |
| 23A1459-22 | Solid | 23021134.06 |
| 23A1459-38 | Solid | 23021134.07 |
| 23A1459-40 | Solid | 23021134.08 |
| 23A1459-41 | Solid | 23021134.09 |
| 23A1459-24 | Solid | 23021134.10 |
| 23A1459-25 | Solid | 23021134.11 |
| 23A1459-27 | Solid | 23021134.12 |
| 23A1459-28 | Solid | 23021134.13 |
| 23A1459-30 | Solid | 23021134.14 |
| 23A1459-31 | Solid | 23021134.15 |
| 23A1459-32 | Solid | 23021134.16 |
| 23A1459-34 | Solid | 23021134.17 |
| 23A1459-35 | Solid | 23021134.18 |

Released By: Amanda Shute
Title: Project Manager
Date: 2/17/2023

This Laboratory is NELAP ( T104704213) accredited. Effective: 04/01/2022; Expires: 3/31/2023
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

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ab-q210-0321

Date Received : 02/10/2023 10:00

# Laboratory Analysis Report

Total Number of Pages: 61

Job ID : 23021134

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

**A&B Labs has analyzed the following samples...**

| Client Sample ID | Matrix | A&B Sample ID |
|---|---|---|
| 23A1459-36 | Solid | 23021134.19 |
| 23A1459-39 | Solid | 23021134.20 |
| 23A1459-43 | Solid | 23021134.21 |
| 23A1459-44 | Solid | 23021134.22 |
| 23A1459-45 | Solid | 23021134.23 |
| 23A1459-46 | Solid | 23021134.24 |
| 23A1459-47 | Solid | 23021134.25 |
| 23A1459-48 | Solid | 23021134.26 |
| 23A1459-58 | Solid | 23021134.27 |
| 23A1459-59 | Solid | 23021134.28 |
| 23A1459-60 | Solid | 23021134.29 |
| BGA3903-MB | Solid | 23021134.30 |
| BGA3903-MDL | Solid | 23021134.31 |
| BGA3903-LCS | Solid | 23021134.32 |
| BGA3903-LCSD | Solid | 23021134.33 |
| BGB-0167-MB | Solid | 23021134.34 |
| BGB-0167-MDL | Solid | 23021134.35 |
| BGB-0167-BS | Solid | 23021134.36 |
| BGB-0167-BSD | Solid | 23021134.37 |
| BGA3903-MS | Solid | 23021134.38 |
| BGA3903-MSD | Solid | 23021134.39 |
| BGB-0167-MS | Solid | 23021134.40 |
| BGB-0167-MSD | Solid | 23021134.41 |

Released By: Amanda Shute

Title: Project Manager

Date: 2/17/2023

This Laboratory is NELAP ( T104704213) accredited. Effective: 04/01/2022; Expires: 3/31/2023

Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

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# Laboratory Report: Case Narrative

A&B Job ID: 23021134

Date: 02/17/23

| | | |
|---|---|---|
| Client Name: | NWDLS | Attn: Monica O. Martin |
| Project Name: | 23A1459 | |
| Date Received: | 02/10/23 | |
| Collected By: | | |

Released By:

Title:

# LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 23021134

Date: 2/17/2023

## General Term Definition

| | | | |
|---|---|---|---|
| Back-Wt | Back Weight | Post-Wt | Post Weight |
| BRL | Below Reporting Limit | ppm | parts per million |
| cfu | colony-forming units | Pre-Wt | Previous Weight |
| Conc. | Concentration | Q | Qualifier |
| D.F. | Dilution Factor | RegLimit | Regulatory Limit |
| Front-Wt | Front Weight | RPD | Relative Percent Difference |
| LCS | Laboratory Check Standard | RptLimit | Reporting Limit |
| LCSD | Laboratory Check Standard Duplicate | SDL | Sample Detection Limit |
| MS | Matrix Spike | surr | Surrogate |
| MSD | Matrix Spike Duplicate | T | Time |
| MW | Molecular Weight | TNTC | Too numerous to count |
| J | Estimation. Below calibration range but above MDL | MQL | Minimum Quantitation Limit |

## Qualifier Definition

| | |
|---|---|
| J | Estimation. Below calibration range but above MDL. |
| S2 | Surrogate recovery is below control limit. Results may be biased low. |
| S8 | Target compounds caused elevation of baseline. Surrogate may be biased high. |

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-16
Date Collected: 01/16/23
Time Collected: 14:20
Other Information:

Job Sample ID: 23021134.01
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 63.51 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/10/23 23:39 | VMN |
| | >C12-C28 | 7.95 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/10/23 23:39 | VMN |
| | >C28-C35 | 6.91 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/10/23 23:39 | VMN |
| | Total C6-C35 | 78.37 | mg/Kg | 1.00 | 6.20 | | | | 02/10/23 23:39 | VMN |
| | 1-Chlorooctane(surr) | 87.3 | % | 1.00 | | 60-143 | | | 02/10/23 23:39 | VMN |
| | Chlorooctadecane(surr) | 72.6 | % | 1.00 | | 60-150 | | | 02/10/23 23:39 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-17
Date Collected: 01/17/23
Time Collected: 09:40
Other Information:

Job Sample ID: 23021134.02
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 57.48 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 00:10 | VMN |
| | >C12-C28 | 7.92 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/11/23 00:10 | VMN |
| | >C28-C35 | 6.39 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/11/23 00:10 | VMN |
| | Total C6-C35 | 71.79 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 00:10 | VMN |
| | 1-Chlorooctane(surr) | 78.9 | % | 1.00 | | 60-143 | | | 02/11/23 00:10 | VMN |
| | Chlorooctadecane(surr) | 80.9 | % | 1.00 | | 60-150 | | | 02/11/23 00:10 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-18
Date Collected: 01/17/23
Time Collected: 14:40
Other Information:

Job Sample ID: 23021134.03
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 59.59 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 00:43 | VMN |
| | >C12-C28 | 9.04 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/11/23 00:43 | VMN |
| | >C28-C35 | 6.82 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/11/23 00:43 | VMN |
| | Total C6-C35 | 75.45 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 00:43 | VMN |
| | 1-Chlorooctane(surr) | 78.2 | % | 1.00 | | 60-143 | | | 02/11/23 00:43 | VMN |
| | Chlorooctadecane(surr) | 70.7 | % | 1.00 | | 60-150 | | | 02/11/23 00:43 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-20
Date Collected: 01/16/23
Time Collected: 17:20
Other Information:

Job Sample ID: 23021134.04
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 58.67 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 01:15 | VMN |
| | >C12-C28 | 8.60 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/11/23 01:15 | VMN |
| | >C28-C35 | 7.22 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/11/23 01:15 | VMN |
| | Total C6-C35 | 74.49 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 01:15 | VMN |
| | 1-Chlorooctane(surr) | 79 | % | 1.00 | | 60-143 | | | 02/11/23 01:15 | VMN |
| | Chlorooctadecane(surr) | 81.3 | % | 1.00 | | 60-150 | | | 02/11/23 01:15 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-21
Date Collected: 01/17/23
Time Collected: 11:30
Other Information:

Job Sample ID: 23021134.05
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 61.54 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 01:48 | VMN |
| | >C12-C28 | 8.24 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/11/23 01:48 | VMN |
| | >C28-C35 | 6.80 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/11/23 01:48 | VMN |
| | Total C6-C35 | 76.59 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 01:48 | VMN |
| | 1-Chlorooctane(surr) | 84.4 | % | 1.00 | | 60-143 | | | 02/11/23 01:48 | VMN |
| | Chlorooctadecane(surr) | 84.4 | % | 1.00 | | 60-150 | | | 02/11/23 01:48 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-22
Date Collected: 01/17/23
Time Collected: 16:30
Other Information:

Job Sample ID: 23021134.06
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 62.70 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 02:20 | VMN |
| | >C12-C28 | 8.28 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/11/23 02:20 | VMN |
| | >C28-C35 | 7.44 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/11/23 02:20 | VMN |
| | Total C6-C35 | 78.42 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 02:20 | VMN |
| | 1-Chlorooctane(surr) | 79.6 | % | 1.00 | | 60-143 | | | 02/11/23 02:20 | VMN |
| | Chlorooctadecane(surr) | 81 | % | 1.00 | | 60-150 | | | 02/11/23 02:20 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-38
Date Collected: 01/17/23
Time Collected: 14:12
Other Information:

Job Sample ID: 23021134.07
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 63.91 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 02:52 | VMN |
| | >C12-C28 | 8.40 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/11/23 02:52 | VMN |
| | >C28-C35 | 8.1 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/11/23 02:52 | VMN |
| | Total C6-C35 | 80.41 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 02:52 | VMN |
| | 1-Chlorooctane(surr) | 77.2 | % | 1.00 | | 60-143 | | | 02/11/23 02:52 | VMN |
| | Chlorooctadecane(surr) | 70 | % | 1.00 | | 60-150 | | | 02/11/23 02:52 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-40
Date Collected: 01/16/23
Time Collected: 16:37
Other Information:

Job Sample ID: 23021134.08
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 63.27 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 03:25 | VMN |
| | >C12-C28 | 8.02 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/11/23 03:25 | VMN |
| | >C28-C35 | 7.56 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/11/23 03:25 | VMN |
| | Total C6-C35 | 78.85 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 03:25 | VMN |
| | 1-Chlorooctane(surr) | 86.8 | % | 1.00 | | 60-143 | | | 02/11/23 03:25 | VMN |
| | Chlorooctadecane(surr) | 84 | % | 1.00 | | 60-150 | | | 02/11/23 03:25 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-41
Date Collected: 01/17/23
Time Collected: 09:20
Other Information:

Job Sample ID: 23021134.09
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 65.61 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 05:01 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 05:01 | VMN |
| | >C28-C35 | 9.43 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/11/23 05:01 | VMN |
| | Total C6-C35 | 75.04 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 05:01 | VMN |
| | 1-Chlorooctane(surr) | 84 | % | 1.00 | | 60-143 | | | 02/11/23 05:01 | VMN |
| | Chlorooctadecane(surr) | 70 | % | 1.00 | | 60-150 | | | 02/11/23 05:01 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-24
Date Collected: 01/19/23
Time Collected: 15:20
Other Information:

Job Sample ID: 23021134.10
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 292.59 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 05:33 | VMN |
| | >C12-C28 | 1327.36 | mg/Kg | 10.00 | 73.5 | 250 | | | 02/13/23 22:37 | VMN |
| | >C28-C35 | 447.97 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 05:33 | VMN |
| | Total C6-C35 | 2067.91 | mg/Kg | 10.00 | 62.0 | | | | 02/13/23 22:37 | VMN |
| | 1-Chlorooctane(surr) | 92.7 | % | 1.00 | | 60-143 | | | 02/13/23 22:37 | VMN |
| | 1-Chlorooctane(surr) | 82.9 | % | 10.00 | | 60-143 | | | 02/13/23 22:37 | MV |
| | Chlorooctadecane(surr) | 73.5 | % | 1.00 | | 60-150 | | | 02/13/23 22:37 | VMN |
| | Chlorooctadecane(surr) | 83.8 | % | 10.00 | | 60-150 | | | 02/13/23 22:37 | MV |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-25
Date Collected: 01/20/23
Time Collected: 11:00
Other Information:

Job Sample ID: 23021134.11
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 77.86 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 06:05 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 06:05 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 06:05 | VMN |
| | Total C6-C35 | 77.86 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 06:05 | VMN |
| | 1-Chlorooctane(surr) | 110 | % | 1.00 | | 60-143 | | | 02/11/23 06:05 | VMN |
| | Chlorooctadecane(surr) | 79.2 | % | 1.00 | | 60-150 | | | 02/11/23 06:05 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-27
Date Collected: 01/19/23
Time Collected: 17:00
Other Information:

Job Sample ID: 23021134.12
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 75.32 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 06:37 | VMN |
| | >C12-C28 | 7.77 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/11/23 06:37 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 06:37 | VMN |
| | Total C6-C35 | 83.09 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 06:37 | VMN |
| | 1-Chlorooctane(surr) | 103 | % | 1.00 | | 60-143 | | | 02/11/23 06:37 | VMN |
| | Chlorooctadecane(surr) | 71.4 | % | 1.00 | | 60-150 | | | 02/11/23 06:37 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-28
Date Collected: 01/20/23
Time Collected: 12:50
Other Information:

Job Sample ID: 23021134.13
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 74.62 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 07:09 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 07:09 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 07:09 | VMN |
| | Total C6-C35 | 74.62 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 07:09 | VMN |
| | 1-Chlorooctane(surr) | 103 | % | 1.00 | | 60-143 | | | 02/11/23 07:09 | VMN |
| | Chlorooctadecane(surr) | 80.2 | % | 1.00 | | 60-150 | | | 02/11/23 07:09 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-30
Date Collected: 01/18/23
Time Collected: 09:40
Other Information:

Job Sample ID: 23021134.14
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 71.38 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 07:41 | VMN |
| | >C12-C28 | 8.15 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/11/23 07:41 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 07:41 | VMN |
| | Total C6-C35 | 79.54 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 07:41 | VMN |
| | 1-Chlorooctane(surr) | 99.9 | % | 1.00 | | 60-143 | | | 02/11/23 07:41 | VMN |
| | Chlorooctadecane(surr) | 82.5 | % | 1.00 | | 60-150 | | | 02/11/23 07:41 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-31
Date Collected: 01/18/23
Time Collected: 14:00
Other Information:

Job Sample ID: 23021134.15
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 74.25 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 08:13 | VMN |
| | >C12-C28 | 110.84 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 08:13 | VMN |
| | >C28-C35 | 107.35 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 08:13 | VMN |
| | Total C6-C35 | 292.44 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 08:13 | VMN |
| | 1-Chlorooctane(surr) | 107 | % | 1.00 | | 60-143 | | | 02/11/23 08:13 | VMN |
| | Chlorooctadecane(surr) | 78.8 | % | 1.00 | | 60-150 | | | 02/11/23 08:13 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-32
Date Collected: 01/19/23
Time Collected: 09:20
Other Information:

Job Sample ID: 23021134.16
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 71.45 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 08:45 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 08:45 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 08:45 | VMN |
| | Total C6-C35 | 71.45 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 08:45 | VMN |
| | 1-Chlorooctane(surr) | 93.8 | % | 1.00 | | 60-143 | | | 02/11/23 08:45 | VMN |
| | Chlorooctadecane(surr) | 74.6 | % | 1.00 | | 60-150 | | | 02/11/23 08:45 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-34
Date Collected: 01/18/23
Time Collected: 11:15
Other Information:

Job Sample ID: 23021134.17
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 73.11 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 09:17 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 09:17 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 09:17 | VMN |
| | Total C6-C35 | 73.11 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 09:17 | VMN |
| | 1-Chlorooctane(surr) | 102 | % | 1.00 | | 60-143 | | | 02/11/23 09:17 | VMN |
| | Chlorooctadecane(surr) | 77.1 | % | 1.00 | | 60-150 | | | 02/11/23 09:17 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-35
Date Collected: 01/18/23
Time Collected: 15:45
Other Information:

Job Sample ID: 23021134.18
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 71.54 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 09:50 | VMN |
| | >C12-C28 | 7.76 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/11/23 09:50 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 09:50 | VMN |
| | Total C6-C35 | 79.30 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 09:50 | VMN |
| | 1-Chlorooctane(surr) | 99.2 | % | 1.00 | | 60-143 | | | 02/11/23 09:50 | VMN |
| | Chlorooctadecane(surr) | 77 | % | 1.00 | | 60-150 | | | 02/11/23 09:50 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-36
Date Collected: 01/19/23
Time Collected: 11:10
Other Information:

Job Sample ID: 23021134.19
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 71.76 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 10:22 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 10:22 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 10:22 | VMN |
| | Total C6-C35 | 71.76 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 10:22 | VMN |
| | 1-Chlorooctane(surr) | 98.6 | % | 1.00 | | 60-143 | | | 02/11/23 10:22 | VMN |
| | Chlorooctadecane(surr) | 79.1 | % | 1.00 | | 60-150 | | | 02/11/23 10:22 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-39
Date Collected: 01/18/23
Time Collected: 09:25
Other Information:

Job Sample ID: 23021134.20
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 69.18 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 10:55 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 10:55 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 10:55 | VMN |
| | Total C6-C35 | 69.18 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 10:55 | VMN |
| | 1-Chlorooctane(surr) | 83.1 | % | 1.00 | | 60-143 | | | 02/11/23 10:55 | VMN |
| | Chlorooctadecane(surr) | 63.9 | % | 1.00 | | 60-150 | | | 02/11/23 10:55 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-43
Date Collected: 01/18/23
Time Collected: 14:10
Other Information:

Job Sample ID: 23021134.21
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 76.33 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 11:28 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 11:28 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 11:28 | VMN |
| | Total C6-C35 | 76.33 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 11:28 | VMN |
| | 1-Chlorooctane(surr) | 102 | % | 1.00 | | 60-143 | | | 02/11/23 11:28 | VMN |
| | Chlorooctadecane(surr) | 80.4 | % | 1.00 | | 60-150 | | | 02/11/23 11:28 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-44
Date Collected: 01/19/23
Time Collected: 08:15
Other Information:

Job Sample ID: 23021134.22
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 75.24 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 12:02 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 12:02 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 12:02 | VMN |
| | Total C6-C35 | 75.24 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 12:02 | VMN |
| | 1-Chlorooctane(surr) | 102 | % | 1.00 | | 60-143 | | | 02/11/23 12:02 | VMN |
| | Chlorooctadecane(surr) | 79.2 | % | 1.00 | | 60-150 | | | 02/11/23 12:02 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-45
Date Collected: 01/20/23
Time Collected: 09:15
Other Information:

Job Sample ID: 23021134.23
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 73.18 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 12:36 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 12:36 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 12:36 | VMN |
| | Total C6-C35 | 73.18 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 12:36 | VMN |
| | 1-Chlorooctane(surr) | 98.4 | % | 1.00 | | 60-143 | | | 02/11/23 12:36 | VMN |
| | Chlorooctadecane(surr) | 77.4 | % | 1.00 | | 60-150 | | | 02/11/23 12:36 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-46
Date Collected: 01/27/23
Time Collected: 14:05
Other Information:

Job Sample ID: 23021134.24
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 71.74 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 13:11 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 13:11 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 13:11 | VMN |
| | Total C6-C35 | 71.74 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 13:11 | VMN |
| | 1-Chlorooctane(surr) | 85.7 | % | 1.00 | | 60-143 | | | 02/11/23 13:11 | VMN |
| | Chlorooctadecane(surr) | 61.8 | % | 1.00 | | 60-150 | | | 02/11/23 13:11 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-47
Date Collected: 01/27/23
Time Collected: 09:20
Other Information:

Job Sample ID: 23021134.25
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 74.21 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 13:44 | VMN |
| | >C12-C28 | 7.45 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/11/23 13:44 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 13:44 | VMN |
| | Total C6-C35 | 81.66 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 13:44 | VMN |
| | 1-Chlorooctane(surr) | 101 | % | 1.00 | | 60-143 | | | 02/11/23 13:44 | VMN |
| | Chlorooctadecane(surr) | 74.7 | % | 1.00 | | 60-150 | | | 02/11/23 13:44 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-48
Date Collected: 01/19/23
Time Collected: 14:00
Other Information:

Job Sample ID: 23021134.26
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 77.43 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 14:15 | VMN |
| | >C12-C28 | 50.33 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 14:15 | VMN |
| | >C28-C35 | 16.31 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/11/23 14:15 | VMN |
| | Total C6-C35 | 144.06 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 14:15 | VMN |
| | 1-Chlorooctane(surr) | 104 | % | 1.00 | | 60-143 | | | 02/11/23 14:15 | VMN |
| | Chlorooctadecane(surr) | 81.9 | % | 1.00 | | 60-150 | | | 02/11/23 14:15 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-58
Date Collected: 01/21/23
Time Collected: 10:00
Other Information:

Job Sample ID: 23021134.27
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 67.36 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 14:47 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 14:47 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 14:47 | VMN |
| | Total C6-C35 | 67.36 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 14:47 | VMN |
| | 1-Chlorooctane(surr) | 93.2 | % | 1.00 | | 60-143 | | | 02/11/23 14:47 | VMN |
| | Chlorooctadecane(surr) | 73.7 | % | 1.00 | | 60-150 | | | 02/11/23 14:47 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-59
Date Collected: 01/21/23
Time Collected: 15:10
Other Information:

Job Sample ID: 23021134.28
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 71.77 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 15:19 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 15:19 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 15:19 | VMN |
| | Total C6-C35 | 71.77 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 15:19 | VMN |
| | 1-Chlorooctane(surr) | 98.5 | % | 1.00 | | 60-143 | | | 02/11/23 15:19 | VMN |
| | Chlorooctadecane(surr) | 76.7 | % | 1.00 | | 60-150 | | | 02/11/23 15:19 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: 23A1459-60
Date Collected: 01/21/23
Time Collected: 11:45
Other Information:

Job Sample ID: 23021134.29
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 66.20 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 16:54 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 16:54 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 16:54 | VMN |
| | Total C6-C35 | 66.20 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 16:54 | VMN |
| | 1-Chlorooctane(surr) | 77.9 | % | 1.00 | | 60-143 | | | 02/11/23 16:54 | VMN |
| | Chlorooctadecane(surr) | 75.7 | % | 1.00 | | 60-150 | | | 02/11/23 16:54 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGA3903-MB

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.30

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 63.06 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/10/23 19:23 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/10/23 19:23 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/10/23 19:23 | VMN |
| | Total C6-C35 | 63.06 | mg/Kg | 1.00 | 6.20 | | | | 02/10/23 19:23 | VMN |
| | 1-Chlorooctane(surr) | 89.9 | % | 1.00 | | 60-143 | | | 02/10/23 19:23 | VMN |
| | Chlorooctadecane(surr) | 79.9 | % | 1.00 | | 60-150 | | | 02/10/23 19:23 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGA3903-MDL

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.31

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 64.95 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/10/23 19:59 | VMN |
| | >C12-C28 | 8.02 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/10/23 19:59 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/10/23 19:59 | VMN |
| | Total C6-C35 | 72.97 | mg/Kg | 1.00 | 6.20 | | | | 02/10/23 19:59 | VMN |
| | 1-Chlorooctane(surr) | 90.9 | % | 1.00 | | 60-143 | | | 02/10/23 19:59 | VMN |
| | Chlorooctadecane(surr) | 79.5 | % | 1.00 | | 60-150 | | | 02/10/23 19:59 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGA3903-LCS

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.32

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 260.72 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/10/23 20:31 | VMN |
| | >C12-C28 | 178.80 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/10/23 20:31 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/10/23 20:31 | VMN |
| | Total C6-C35 | 439.52 | mg/Kg | 1.00 | 6.20 | | | | 02/10/23 20:31 | VMN |
| | 1-Chlorooctane(surr) | 88.4 | % | 1.00 | | 60-143 | | | 02/10/23 20:31 | VMN |
| | Chlorooctadecane(surr) | 77.3 | % | 1.00 | | 60-150 | | | 02/10/23 20:31 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGA3903-LCSD

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.33

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 268.13 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/10/23 21:03 | VMN |
| | >C12-C28 | 185.53 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/10/23 21:03 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/10/23 21:03 | VMN |
| | Total C6-C35 | 453.65 | mg/Kg | 1.00 | 6.20 | | | | 02/10/23 21:03 | VMN |
| | 1-Chlorooctane(surr) | 89.5 | % | 1.00 | | 60-143 | | | 02/10/23 21:03 | VMN |
| | Chlorooctadecane(surr) | 77.9 | % | 1.00 | | 60-150 | | | 02/10/23 21:03 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGB-0167-MB

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.34

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 63.86 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/10/23 21:36 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/10/23 21:36 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/10/23 21:36 | VMN |
| | Total C6-C35 | 63.86 | mg/Kg | 1.00 | 6.20 | | | | 02/10/23 21:36 | VMN |
| | 1-Chlorooctane(surr) | 89.8 | % | 1.00 | | 60-143 | | | 02/10/23 21:36 | VMN |
| | Chlorooctadecane(surr) | 76 | % | 1.00 | | 60-150 | | | 02/10/23 21:36 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGB-0167-MDL

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.35

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 69.31 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/10/23 22:07 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/10/23 22:07 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/10/23 22:07 | VMN |
| | Total C6-C35 | 69.31 | mg/Kg | 1.00 | 6.20 | | | | 02/10/23 22:07 | VMN |
| | 1-Chlorooctane(surr) | 95.9 | % | 1.00 | | 60-143 | | | 02/10/23 22:07 | VMN |
| | Chlorooctadecane(surr) | 75.5 | % | 1.00 | | 60-150 | | | 02/10/23 22:07 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGB-0167-BS

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.36

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 269.68 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/10/23 22:38 | VMN |
| | >C12-C28 | 181.82 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/10/23 22:38 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/10/23 22:38 | VMN |
| | Total C6-C35 | 451.50 | mg/Kg | 1.00 | 6.20 | | | | 02/10/23 22:38 | VMN |
| | 1-Chlorooctane(surr) | 91.1 | % | 1.00 | | 60-143 | | | 02/10/23 22:38 | VMN |
| | Chlorooctadecane(surr) | 73.7 | % | 1.00 | | 60-150 | | | 02/10/23 22:38 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGB-0167-BSD

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.37

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 261.97 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/10/23 23:09 | VMN |
| | >C12-C28 | 190.41 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/10/23 23:09 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/10/23 23:09 | VMN |
| | Total C6-C35 | 452.38 | mg/Kg | 1.00 | 6.20 | | | | 02/10/23 23:09 | VMN |
| | 1-Chlorooctane(surr) | 91.4 | % | 1.00 | | 60-143 | | | 02/10/23 23:09 | VMN |
| | Chlorooctadecane(surr) | 77.4 | % | 1.00 | | 60-150 | | | 02/10/23 23:09 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGA3903-MS

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.38

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 280.70 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 17:25 | VMN |
| | >C12-C28 | 177.55 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 17:25 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 17:25 | VMN |
| | Total C6-C35 | 458.25 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 17:25 | VMN |
| | 1-Chlorooctane(surr) | 95.8 | % | 1.00 | | 60-143 | | | 02/11/23 17:25 | VMN |
| | Chlorooctadecane(surr) | 79.1 | % | 1.00 | | 60-150 | | | 02/11/23 17:25 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGA3903-MSD

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.39

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 287.22 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 17:57 | VMN |
| | >C12-C28 | 199.53 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/11/23 17:57 | VMN |
| | >C28-C35 | 8.95 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/11/23 17:57 | VMN |
| | Total C6-C35 | 495.70 | mg/Kg | 1.00 | 6.20 | | | | 02/11/23 17:57 | VMN |
| | 1-Chlorooctane(surr) | 97.4 | % | 1.00 | | 60-143 | | | 02/11/23 17:57 | VMN |
| | Chlorooctadecane(surr) | 81.8 | % | 1.00 | | 60-150 | | | 02/11/23 17:57 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGB-0167-MS

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.40

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 535.18 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 18:28 | VMN |
| | >C12-C28 | 1706.31 | mg/Kg | 10.00 | 73.5 | 250 | | | 02/13/23 23:04 | VMN |
| | >C28-C35 | 495.39 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 18:28 | VMN |
| | Total C6-C35 | 2736.88 | mg/Kg | 10.00 | 62.0 | | | | 02/13/23 23:04 | VMN |
| | 1-Chlorooctane(surr) | 65.3 | % | 1.00 | | 60-143 | | | 02/13/23 23:04 | VMN |
| | 1-Chlorooctane(surr) | 58.9 | % | 10.00 | | 60-143 | | S2 | 02/13/23 23:04 | MV |
| | Chlorooctadecane(surr) | 44.3 | % | 1.00 | | 60-150 | | S2 | 02/13/23 23:04 | VMN |
| | Chlorooctadecane(surr) | 52.3 | % | 10.00 | | 60-150 | | S2 | 02/13/23 23:04 | MV |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021134

Date 2/17/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name: 23A1459

Client Sample ID: BGB-0167-MSD

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021134.41

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 431.50 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/11/23 18:59 | VMN |
| | >C12-C28 | 1939.56 | mg/Kg | 10.00 | 73.5 | 250 | | | 02/13/23 23:30 | VMN |
| | >C28-C35 | 525.78 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/11/23 18:59 | VMN |
| | Total C6-C35 | 2896.83 | mg/Kg | 10.00 | 62.0 | | | | 02/13/23 23:30 | VMN |
| | 1-Chlorooctane(surr) | 64.2 | % | 1.00 | | 60-143 | | | 02/13/23 23:30 | VMN |
| | 1-Chlorooctane(surr) | 76.2 | % | 10.00 | | 60-143 | | | 02/13/23 23:30 | MV |
| | Chlorooctadecane(surr) | 62.4 | % | 1.00 | | 60-150 | | | 02/13/23 23:30 | VMN |
| | Chlorooctadecane(surr) | 76.1 | % | 10.00 | | 60-150 | | | 02/13/23 23:30 | MV |

ab-q212-0321

# QUALITY CONTROL CERTIFICATE

**Job ID :** 23021134 **Date :** 2/17/2023

**Analysis :** Total Petroleum Hydrocarbons **Method :** TX 1005 **Reporting Units :** mg/Kg

**QC Batch ID :** Qb230210161 **Created Date :** 02/10/23 **Created By :** VNair

**Samples in This QC Batch :** 23021134.01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17

**Sample Preparation :** PB23021061 **Prep Method :** TX 1005 **Prep Date :** 02/10/23 16:20 **Prep By :** VRodriguez

**QC Type: Method Blank**

| Parameter | CAS # | Result | Units | D.F. | MQL | MDL | | Qual |
|---|---|---|---|---|---|---|---|---|
| C6-C12 | TPH-1005-1 | < MDL | mg/Kg | 1.00 | 25 | 8.94 | | |
| >C12-C28 | TPH-1005-2 | < MDL | mg/Kg | 1.00 | 25 | 7.35 | | |
| >C28-C35 | TPH-1005-4 | < MDL | mg/Kg | 1.00 | 25 | 6.20 | | |
| Total C6-C35 | | < MDL | mg/Kg | 1.00 | ---- | 6.20 | | |
| Chlorooctadecane(surr) | 3386-33-2 | 117 | % | 1.00 | | | | |
| 1-Chlorooctane(surr) | 111-85-3 | 111 | % | 1.00 | | | | |

**QC Type: LCS and LCSD**

| Parameter | LCS Spk Added | LCS Result | LCS % Rec | LCSD Spk Added | LCSD Result | LCSD % Rec | RPD | RPD CtrlLimit | %Recovery CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | 500 | 510 | 102 | 500 | 521 | 104 | 2.1 | 20 | 75-125 | |
| >C12-C28 | 500 | 549 | 110 | 500 | 560 | 112 | 2.1 | 20 | 75-125 | |
| >C28-C35 | 500 | 561 | 112 | 500 | 577 | 115 | 2.8 | 20 | 75-125 | |

**QC Type: MS and MSD**
**QC Sample ID: 23021106.01**

| Parameter | Sample Result | MS Spk Added | MS Result | MS % Rec | MSD Spk Added | MSD Result | MSD % Rec | RPD | RPD CtrlLimit | %Rec CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | BRL | 500 | 478 | 95.7 | 500 | 459 | 91.7 | 4.2 | 20 | 75-125 | |
| >C12-C28 | BRL | 500 | 481 | 96.3 | 500 | 492 | 98.4 | 2.2 | 20 | 75-125 | |
| >C28-C35 | BRL | 500 | 475 | 94.9 | 500 | 514 | 103 | 8 | 20 | 75-125 | |

# QUALITY CONTROL CERTIFICATE

**Job ID :** 23021134 **Date :** 2/17/2023

**Analysis :** Total Petroleum Hydrocarbons **Method :** TX 1005 **Reporting Units :** mg/Kg

**QC Batch ID :** Qb230210162 **Created Date :** 02/10/23 **Created By :** VNair

**Samples in This QC Batch :** 23021134.18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35

**Sample Preparation :** PB23021063 **Prep Method :** TX 1005 **Prep Date :** 02/10/23 17:02 **Prep By :** VRodriguez

**QC Type: Method Blank**

| Parameter | CAS # | Result | Units | D.F. | MQL | MDL | | Qual |
|---|---|---|---|---|---|---|---|---|
| C6-C12 | TPH-1005-1 | < MDL | mg/Kg | 1.00 | 25 | 8.94 | | |
| >C12-C28 | TPH-1005-2 | < MDL | mg/Kg | 1.00 | 25 | 7.35 | | |
| >C28-C35 | TPH-1005-4 | < MDL | mg/Kg | 1.00 | 25 | 6.20 | | |
| Total C6-C35 | | < MDL | mg/Kg | 1.00 | ---- | 6.20 | | |
| Chlorooctadecane(surr) | 3386-33-2 | 109 | % | 1.00 | | | | |
| 1-Chlorooctane(surr) | 111-85-3 | 104 | % | 1.00 | | | | |

**QC Type: LCS and LCSD**

| Parameter | LCS Spk Added | LCS Result | LCS % Rec | LCSD Spk Added | LCSD Result | LCSD % Rec | RPD | RPD CtrlLimit | %Recovery CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | 500 | 561 | 112 | 500 | 463 | 92.5 | 19.1 | 20 | 75-125 | |
| >C12-C28 | 500 | 535 | 107 | 500 | 502 | 100 | 6.4 | 20 | 75-125 | |
| >C28-C35 | 500 | 508 | 102 | 500 | 518 | 104 | 1.9 | 20 | 75-125 | |

**QC Type: MS and MSD**
**QC Sample ID: 23021106.03**

| Parameter | Sample Result | MS Spk Added | MS Result | MS % Rec | MSD Spk Added | MSD Result | MSD % Rec | RPD | RPD CtrlLimit | %Rec CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | BRL | 500 | 492 | 98.4 | 500 | 503 | 101 | 2.2 | 20 | 75-125 | |
| >C12-C28 | BRL | 500 | 536 | 107 | 500 | 547 | 109 | 2 | 20 | 75-125 | |
| >C28-C35 | BRL | 500 | 547 | 109 | 500 | 560 | 112 | 2.4 | 20 | 75-125 | |

# QUALITY CONTROL CERTIFICATE

**Job ID :** 23021134 **Date :** 2/17/2023

**Analysis :** Total Petroleum Hydrocarbons **Method :** TX 1005 **Reporting Units :** mg/Kg

**QC Batch ID :** qb230210165 **Created Date :** 02/10/23 **Created By :** VNair

**Samples in This QC Batch :** 23021134.36,37,38,39,40,41

**Sample Preparation :** PB23021064 **Prep Method :** TX 1005 **Prep Date :** 02/10/23 16:54 **Prep By :** VRodriguez

**QC Type: Method Blank**

| Parameter | CAS # | Result | Units | D.F. | MQL | MDL | | Qual |
|---|---|---|---|---|---|---|---|---|
| C6-C12 | TPH-1005-1 | < MDL | mg/Kg | 1.00 | 25 | 8.94 | | |
| >C12-C28 | TPH-1005-2 | < MDL | mg/Kg | 1.00 | 25 | 7.35 | | |
| >C28-C35 | TPH-1005-4 | < MDL | mg/Kg | 1.00 | 25 | 6.20 | | |
| Total C6-C35 | | < MDL | mg/Kg | 1.00 | ---- | 6.20 | | |
| Chlorooctadecane(surr) | 3386-33-2 | 118 | % | 1.00 | | | | |
| 1-Chlorooctane(surr) | 111-85-3 | 115 | % | 1.00 | | | | |

**QC Type: LCS and LCSD**

| Parameter | LCS Spk Added | LCS Result | LCS % Rec | LCSD Spk Added | LCSD Result | LCSD % Rec | RPD | RPD CtrlLimit | %Recovery CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | 500 | 514 | 103 | 500 | 523 | 105 | 1.7 | 20 | 75-125 | |
| >C12-C28 | 500 | 437 | 87.4 | 500 | 444 | 88.8 | 1.5 | 20 | 75-125 | |
| >C28-C35 | 500 | 460 | 91.9 | 500 | 474 | 94.8 | 3.1 | 20 | 75-125 | |

**QC Type: MS and MSD**
**QC Sample ID: 23021094.01**

| Parameter | Sample Result | MS Spk Added | MS Result | MS % Rec | MSD Spk Added | MSD Result | MSD % Rec | RPD | RPD CtrlLimit | %Rec CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | BRL | 500 | 541 | 108 | 500 | 544 | 109 | 0.5 | 20 | 75-125 | |
| >C12-C28 | BRL | 500 | 460 | 92 | 500 | 459 | 91.9 | 0.1 | 20 | 75-125 | |
| >C28-C35 | BRL | 500 | 448 | 89.6 | 500 | 480 | 96.1 | 6.9 | 20 | 75-125 | |

NWDLS
North Water District Laboratory Services, Inc.

Job ID:23021134
02/10/2023 NWDLS AMS

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

## Work Order: 23A1459

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-02** ***Marine Water Sampled: 01/25/2023 09:30*** | | | |
| TOC-415.1 | 03/06/2023 | 02/22/2023 09:30 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-03** ***Marine Water Sampled: 01/25/2023 12:50*** | | | |
| TOC-415.1 | 03/06/2023 | 02/22/2023 12:50 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-04** ***Marine Water Sampled: 01/25/2023 14:50*** | | | |
| TOC-415.1 | 03/06/2023 | 02/22/2023 14:50 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-05** ***Marine Water Sampled: 01/27/2023 11:25*** | | | |
| TOC-415.1 | 03/06/2023 | 02/24/2023 11:25 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-07** ***Elutriate Sampled: 01/16/2023 14:20*** | | | |
| TOC-415.1-ELUT | 03/06/2023 | 02/13/2023 14:20 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/15/2023 14:10 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-16** ***Sediment*** ***Sampled: 01/16/2023 14:20*** | | | |
| TPH-1005 | 03/06/2023 | 01/30/2023 14:20 | 01AC |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-17** ***Sediment*** ***Sampled: 01/17/2023 09:40*** | | | 02A |
| TPH-1005 | 03/06/2023 | 01/31/2023 09:40 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-18** ***Sediment*** ***Sampled: 01/17/2023 14:40*** | | | 03A |
| TPH-1005 | 03/06/2023 | 01/31/2023 14:40 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-20** ***Sediment*** ***Sampled: 01/16/2023 17:20*** | | | 04A |
| TPH-1005 | 03/06/2023 | 01/30/2023 17:20 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-21** ***Sediment*** ***Sampled: 01/17/2023 11:30*** | | | 05A |
| TPH-1005 | 03/06/2023 | 01/31/2023 11:30 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-22** ***Sediment*** ***Sampled: 01/17/2023 16:30*** | | | 06A |
| TPH-1005 | 03/06/2023 | 01/31/2023 16:30 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-24** ***Sediment*** ***Sampled: 01/19/2023 15:20*** | | | 10A MS/MSD |
| TPH-1005 | 03/06/2023 | 02/02/2023 15:20 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-25** ***Sediment*** ***Sampled: 01/20/2023 11:00*** | | | 11A |
| TPH-1005 | 03/06/2023 | 02/03/2023 11:00 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-27** ***Sediment*** ***Sampled: 01/19/2023 17:00*** | | | 12A |
| TPH-1005 | 03/06/2023 | 02/02/2023 17:00 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-28** ***Sediment*** ***Sampled: 01/20/2023 12:50*** | | | 13A |
| TPH-1005 | 03/06/2023 | 02/03/2023 12:50 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-30** ***Sediment*** ***Sampled: 01/18/2023 09:40*** | | | 14A |
| TPH-1005 | 03/06/2023 | 02/01/2023 09:40 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-31** ***Sediment*** ***Sampled: 01/18/2023 14:00*** 15A | | | |
| TPH-1005 | 03/06/2023 | 02/01/2023 14:00 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-32** ***Sediment*** ***Sampled: 01/19/2023 09:20*** 16A | | | |
| TPH-1005 | 03/06/2023 | 02/02/2023 09:20 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-34** ***Sediment*** ***Sampled: 01/18/2023 11:15*** 17A | | | |
| TPH-1005 | 03/06/2023 | 02/01/2023 11:15 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-35** ***Sediment*** ***Sampled: 01/18/2023 15:45*** 18A | | | |
| TPH-1005 | 03/06/2023 | 02/01/2023 15:45 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-36** ***Sediment*** ***Sampled: 01/19/2023 11:10*** 19A | | | |
| TPH-1005 | 03/06/2023 | 02/02/2023 11:10 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-38** ***Sediment*** ***Sampled: 01/17/2023 14:12*** ~~20A~~ 07A | | | |
| TPH-1005 | 03/06/2023 | 01/31/2023 14:12 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

NWDLS
North Water District Laboratory Services, Inc.

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-39** ***Sediment*** ***Sampled: 01/18/2023 09:25*** | | | Kw 20A |
| TPH-1005 | 03/06/2023 | 02/01/2023 09:25 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-40** ***Sediment*** ***Sampled: 01/16/2023 16:37*** | | | 08A |
| TPH-1005 | 03/06/2023 | 01/30/2023 16:37 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-41** ***Sediment*** ***Sampled: 01/17/2023 09:20*** | | | 09A |
| TPH-1005 | 03/06/2023 | 01/31/2023 09:20 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-43** ***Sediment*** ***Sampled: 01/18/2023 14:10*** | | | 21A |
| TPH-1005 | 03/06/2023 | 02/01/2023 14:10 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-44** ***Sediment*** ***Sampled: 01/19/2023 08:15*** | | | 22A |
| TPH-1005 | 03/06/2023 | 02/02/2023 08:15 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-45** ***Sediment*** ***Sampled: 01/20/2023 09:15*** | | | 23A |
| TPH-1005 | 03/06/2023 | 02/03/2023 09:15 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-46** ***Sediment*** ***Sampled: 01/27/2023 14:05*** 24A | | | |
| TPH-1005 | 03/06/2023 | 02/10/2023 14:05 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-47** ***Sediment*** ***Sampled: 01/27/2023 09:20*** 25A | | | |
| TPH-1005 | 03/06/2023 | 02/10/2023 09:20 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-48** ***Sediment*** ***Sampled: 01/19/2023 14:00*** 26A | | | |
| TPH-1005 | 03/06/2023 | 02/02/2023 14:00 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/24/2023 15:32 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/24/2023 14:40 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/20/2023 13:05 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-52** *Elutriate* *Sampled: 01/21/2023 10:00* | | | |
| TOC-415.1-ELUT | 03/06/2023 | 02/18/2023 10:00 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-58** *Sediment* *Sampled: 01/21/2023 10:00* 27A | | | |
| TPH-1005 | 03/06/2023 | 02/04/2023 10:00 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-59** *Sediment* *Sampled: 01/21/2023 15:10* 28A | | | |
| TPH-1005 | 03/06/2023 | 02/04/2023 15:10 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-60** *Sediment* *Sampled: 01/21/2023 11:45* 29A | | | |
| TPH-1005 | 03/06/2023 | 02/04/2023 11:45 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-62** *Marine Water* *Sampled: 01/27/2023 13:10* | | | |
| TOC-415.1 | 03/06/2023 | 02/24/2023 13:10 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-64** *Elutriate* *Sampled: 01/19/2023 14:00* | | | |
| TOC-415.1-ELUT | 03/06/2023 | 02/16/2023 14:00 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

NWDLS
North Water District Laboratory Services, Inc.

# SUBCONTRACT ORDER
**(Continued)**

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/18/2023 11:45 | Leached: 02/03/2023 09:05 |

*Analyte(s):*
Total Organic Carbon (TOC)

*Containers Supplied:*

| | | | |
|---|---|---|---|
| Heath Reinke | 1000Am 2-10-23 | | 10:00 2/3/23 |
| Released By | Date | Received By | Date |

2.3°C
IPU

| | Vial ID | Sample ID | Re-extraction | Amt. Extracted (g / mL) | Spk # | Initial pH | Final Vol. (mL) P1 | TX1006 | Fraction #1 initial vol.(mL) | Fraction #1 final vol.(mL) P1 | Fraction #2 initial vol.(mL) | Fraction #2 final vol.(mL) P2 | Comments/Dilutions/ Reagent Change/Other Clnups, etc. | Spike Verification Witness Analyst/Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29A | N/A | BGA3903-MB[1] | – | 10.23 | S1 | N/A | 10 | | N/A | N/A | N/A | N/A | | QC |
| 31A | | -MD[2] | – | 10.06 | S2 | | | | | | | | 10µL MDL Spk | QC |
| 32A | | -LCS[3] | – | 16.46 | S3 | | | | | | | | | QC |
| 33A | | -LCSD[4] | – | 10.18 | S3 | | | | | | | | | |
| 38A | | -MS[5] | – | 10.09 | S3 | | | | | | | | 23A1459-16MS | DLB Pm 2/14/23 |
| 39A | | -MSD[6] | – | 10.16 | S3 | | | | | | | | 23A1459-16MSD | DLC Pm 2/14/23 |
| 01A | | 23A1459-16[7] | – | 10.09 | | | | | | | | | | |
| 02A | | -17[8] | – | 10.42 | | | | | | | | | | |
| 03A | | -18[9] | – | 10.18 | | | | | | | | | | |
| 04A | | -20[10] | – | 10.58 | | | | | | | | | | |
| 05A | | -21[11] | – | 10.14 | | | | | | | | | | |
| 06A | | -22[12] | – | 10.14 | | | | | | | | | | |
| 07A | | -38[13] | – | 10.58 | | | | | | | | | | |
| 08A | | -40[14] | – | 10.43 | | | | | | | | | | |
| 09A | ↓ | ↓ -41[15] | – | 10.22 | ↓ | ↓ | ↓ | | ↓ | ↓ | ↓ | ↓ | | |
| | | 16 | | | | | | | | | | | | |
| | | 17 | | | | | | | | | | | | |
| | | 18 | | | | | | | | | | | | |
| | | 19 | | | | | | | | | | | | |
| | | 20 | | | | | | | | | | | | |
| | | 21 | | | | | | | | | | | | |
| | | 22 | | | | | | | | | | | | |
| | | 23 | | | | | | | | | | | | |
| | | 24 | | | | | | | | | | | | |
| | | 25 | | | | | | | | | | | | |

Batch ID: *TPH-* 013023-01 **Analyte Group (circle):** TX1005 TPH / TX1006 TPH / Screen Only / Other:_____

| Prep Doc: | OP117 | Batch ID: | TPH- 020123-01 | Centrifuge: | 428-28453 | 2nd Review: | | Organic Extractions |
|---|---|---|---|---|---|---|---|---|
| Extraction Analyst/Date: | RLK 02-01-23 | Extraction Start Time: | 9:35 | Hand Shaken or Ext-Shaker | | Scale ID: | 8339165245 | Comments: |
| Matrix: Aq / (Solid) / BT / Saline / CW / Non-Aq / DW | | Analyte Group: (TX1005 TPH) / TX1006 TPH / Screen Only / Other: | | Extraction Technique: MLLE / (MLSE) Other: | | | | BGB0167 |

| Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) | Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) |
|---|---|---|---|---|---|
| S1 Surr 2201668 | .250 | 10,000 | S3 SPK 2205647 | .250 | 20,000 |
| S2 MDL 2301827 | .010 | 1000 | S4 40 — | — | |

(RLK 2-1-23 IEC 2205642)

| Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID |
|---|---|---|---|---|---|---|---|---|---|
| R1 n-Pentane | 1902994 | R3 Acetone | 2210277 | R5 pH paper | — | R7 — | — | R9 — | — |
| R2 Sand | 2108703 | R4 MeOH | 2202540 | R6 DI-Water | DI-Water-01 | R8 — | — | R10 — | — |

| Post Extraction Concentration[P1] | | | |
|---|---|---|---|
| Analyst/Date: | | or (N/A) | |
| NEVAP Temp: | °C | Temp. ID | |
| $N_2$ Blowdown | | | |
| Final Solvent: n-Pentane / Other: | | | |

Note: Continued on next page.

| | Vial ID | Sample ID | Re-extraction | Amt. Extracted (g / mL) | Spk # | Initial pH | Final Vol. (mL)[P1] | TX1006 | Fraction #1 initial vol.(mL) | Fraction #1 final vol.(mL)[P1] | Fraction #2 initial vol.(mL) | Fraction #2 final vol.(mL) P2 | Comments/Dilutions/ Reagent Change/Other Clnups, etc. | Spike Verification Witness Analyst/Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34A | | 23B-0161-MB | - | 10.00 | S1 | N/A | 10 | | N/A | N/A | N/A | N/A | | |
| 35A | | -MB2 | - | 10.03 | S2 | | | | | | | | | |
| 36A | | -BS3 | - | 10.04 | S3 | | | | | | | | | |
| 37A | | -BSD4 | - | 10.20 | S3 | | | | | | | | | |
| 40A | | -MS5 | - | 10.01 | S3 | | | | | | | | 23A1459-24MS | ~~106~~ BM 2/14/23 |
| 41A | ↓ | -MSD6 | - | 10.00 | S3 | | | | | | | | ↓ 24MSD | ~~108~~ 2/14/23 |
| 10A | | 23A1459-24 MB7 | - | 10.11 | | | | | | | | | | |
| 11A | | -25 8 | - | 10.12 | | | | | | | | | | |
| 12A | | -27 9 | - | 10.23 | | | | | | | | | | |
| 13A | | -28 10 | - | 10.51 | | | | | | | | | | |
| 14A | | -30 11 | - | 10.30 | | | | | | | | | | |
| 15A | | -31 12 | - | 10.02 | | | | | | | | | | |
| 16A | | -32 13 | - | 10.13 | | | | | | | | | | |
| 17A | | -34 14 | - | 10.75 | | | | | | | | | | |
| 18A | | -35 15 | - | 10.51 | | | | | | | | | | |
| 19A | | -36 16 | - | 10.37 | | | | | | | | | | |
| 20A | | -39 17 | - | 10.31 | | | | | | | | | | |
| 21A | | -43 18 | - | 10.32 | | | | | | | | | | |
| 22A | | -44 19 | - | 10.30 | | | | | | | | | | |
| 23A | | -45 20 | - | 10.55 | | | | | | | | | | |
| 24A | | -46 21 | - | 10.11 | | | | | | | | | | |
| 25A | | -47 22 | - | 10.06 | | | | | | | | | | |
| 26A | | -48 23 | - | 10.23 | | | | | | | | | | |
| 27A | | -58 24 | - | 10.36 | | | | | | | | | | |
| 28A | ↓ | -59 25 | - | 10.09 | | | | | | | | | | |
| 29A | | -60 26 | - | 10.19 | | | | | | | | | | |

Batch ID: TPH- 020123-01 **Analyte Group (circle):** TX1005 TPH / TX1006 TPH / Screen Only / Other:_____

1000Am

X Heath Renke 2.10.23 2/10/23 10:00

2.3°C IR#2

| Prep Doc: | OP117 | Batch ID: | TPH-013023-01 | Centrifuge: | 428-28453 | Review: | |
|---|---|---|---|---|---|---|---|
| Extraction Analyst/Date: | RLK 1-30-23 | Extraction Start Time: | 11:30 | Hand Shaken or Ext-Shaker | | Scale ID: | B729965660 |

**Organic Extractions**

Comments:

BGA3903.

2109646

(2) RLK 1-30-23 IG [~~2109643~~]

(1) RLK 1-30-23 IE [.010]

**Matrix:** Aq / (Solid) / BT / Saline / CW / Non-Aq / DW

**Analyte Group:** (TX1005 TPH) / TX1006 TPH / Screen Only / Other:

**Extraction Technique:** MLLE / (MLSE) / Other:

| Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) | Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) |
|---|---|---|---|---|---|
| S1 Surr 2201668 | .250 | 10,000 | S3 SpK 2109672 | .250 | 20,000 |
| S2 MDL 230182M | .010 (1) ~~.050~~ | 2000 | S4 — | — | — |

| Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID |
|---|---|---|---|---|---|---|---|---|---|
| R1 n-Pentane | 1902994 | R3 Acetone | 2210277 | R5 pH paper | — | R7 | — | R9 | — |
| R2 Sand | 2108703 | R4 MeOH | 2202540 | R6 DI-Water | DI-Water-01 | R8 | — | R10 | — |

**Post Extraction Concentration[P1]**

| | | | |
|---|---|---|---|
| Analyst/Date: | | or (N/A) | |
| NEVAP Temp: | °C | Temp. ID | |
| $N_2$ Blowdown | | | |
| Final Solvent: n-Pentane / Other: | | | |

Note: Continued on next page.

# Sample Condition Checklist

| | | |
|---|---|---|
| A&B JobID : **23021134** | Date Received : **02/10/2023** | Time Received : **10:00AM** |
| Client Name : **NWDLS** | | |
| Temperature : **2.3°C** | Sample pH : **NA** | |
| Thermometer ID : **IR4** | pH Paper ID : **NA** | |
| Perservative : | | |

| | Check Points | Yes | No | N/A |
|---|---|---|---|---|
| 1. | **Cooler Seal present and signed.** | | X | |
| 2. | **Sample(s) in a cooler.** | X | | |
| 3. | **If yes, ice in cooler.** | X | | |
| 4. | **Sample(s) received with chain-of-custody.** | X | | |
| 5. | **C-O-C signed and dated.** | X | | |
| 6. | **Sample(s) received with signed sample custody seal.** | | X | |
| 7. | **Sample containers arrived intact. (If No comment)** | X | | |
| 8. | **Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐ | | | |
| 9. | **Samples were received in appropriate container(s)** | X | | |
| 10. | **Sample(s) were received with Proper preservative** | | | X |
| 11. | **All samples were tagged or labeled.** | X | | |
| 12. | **Sample ID labels match C-O-C ID's.** | X | | |
| 13. | **Bottle count on C-O-C matches bottles found.** | X | | |
| 14. | **Sample volume is sufficient for analyses requested.** | X | | |
| 15. | **Samples were received with in the hold time.** | X | | |
| 16. | **VOA vials completely filled.** | | | X |
| 17. | **Sample accepted.** | X | | |
| 18. | **Has client been contacted about sub-out** | | | X |

| **Comments : Include actions taken to resolve discrepancies/problem:** |
|---|
| |

Received by : EValdez

Check in by/date : Jedralin / 02/10/2023

ab-s005-0321

# Laboratory Analysis Report

Total Number of Pages: 65

Job ID : 23021792

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

**Client Project Name :**

| | | | |
|---|---|---|---|
| **Report To :** | Client Name: | NWDLS | P.O.#.: |
| | Attn: | Deena Higginbotham | Sample Collected By: |
| | Client Address: | 130 S Trade Center Pkwy | Date Collected: |
| | City, State, Zip: | Conroe, Texas, 77385 | |

**A&B Labs has analyzed the following samples...**

| Client Sample ID | Matrix | A&B Sample ID |
|---|---|---|
| BGB0765-MB | Solid | 23021792.01 |
| BGB0765-MDL | Solid | 23021792.02 |
| BGB0765-BS1 | Solid | 23021792.03 |
| BGB0765-BSD1 | Solid | 23021792.04 |
| BGB0765-MS | Solid | 23021792.05 |
| BGB0765-MSD | Solid | 23021792.06 |
| 23A1459-46 | Solid | 23021792.07 |
| 23A1459-47 | Solid | 23021792.08 |
| 23A1459-55 | Solid | 23021792.09 |
| BGB0983-BLK1 | Solid | 23021792.10 |
| BGB0983-MRL1 | Solid | 23021792.11 |
| BGB0983-BS1 | Solid | 23021792.12 |
| BGB0983-BSD1 | Solid | 23021792.13 |
| BGB0983-MS1 | Solid | 23021792.14 |
| BGB0983-MSD1 | Solid | 23021792.15 |
| 23A3576-16 | Solid | 23021792.16 |
| 23A3576-23 | Solid | 23021792.17 |
| 23A3576-28 | Solid | 23021792.18 |

Released By: Amanda Shute

Title: Project Manager

Date: 2/28/2023

This Laboratory is NELAP ( T104704213) accredited. Effective: 04/01/2022; Expires: 3/31/2023

Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 02/17/2023 09:30

# Laboratory Analysis Report

Total Number of Pages: 65

Job ID : 23021792

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

**A&B Labs has analyzed the following samples...**

| Client Sample ID | Matrix | A&B Sample ID |
|---|---|---|
| 23A3576-35 | Solid | 23021792.19 |
| 23A3576-36 | Solid | 23021792.20 |
| 23A1459-54 | Solid | 23021792.21 |
| 23A1459-56 | Solid | 23021792.22 |
| 23A4543-01 | Solid | 23021792.23 |
| 23A4543-02 | Solid | 23021792.24 |
| 23A4543-03 | Solid | 23021792.25 |
| BGB1373-BLK1 | Water | 23021792.26 |
| BGB1373-MRL1 | Water | 23021792.27 |
| BGB1373-BS1 | Water | 23021792.28 |
| BGB1373-BSD1 | Water | 23021792.29 |
| BGB1373-MS1 | Water | 23021792.30 |
| BGB1373-MSD | Water | 23021792.31 |
| 23A1459-02 | Water | 23021792.32 |
| 23A1459-03 | Water | 23021792.33 |
| 23A1459-04 | Water | 23021792.34 |
| 23A1459-05 | Water | 23021792.35 |
| 23A1459-49 | Water | 23021792.36 |
| 23A1459-50 | Water | 23021792.37 |
| 23A1459-62 | Water | 23021792.38 |
| 23A3576-02 | Water | 23021792.39 |
| 23A3576-04 | Water | 23021792.40 |
| 23A3576-06 | Water | 23021792.41 |
| BGB1402-BLK | Solid | 23021792.42 |
| BGB1402-MRL1 | Solid | 23021792.43 |
| BGB1402-BS1 | Solid | 23021792.44 |

Released By: Amanda Shute

Title: Project Manager

Date: 2/28/2023

This Laboratory is NELAP ( T104704213) accredited. Effective: 04/01/2022; Expires: 3/31/2023

Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

# Laboratory Analysis Report

Total Number of Pages: 65

Job ID : 23021792

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

**A&B Labs has analyzed the following samples...**

| Client Sample ID | Matrix | A&B Sample ID |
|---|---|---|
| BGB1402-BSD1 | Solid | 23021792.45 |
| BGB1402-MS1 | Solid | 23021792.46 |
| BGB1402-MSD1 | Solid | 23021792.47 |
| 23A1459-66 | Solid | 23021792.48 |

Released By: Amanda Shute
Title: Project Manager
Date: 2/28/2023

This Laboratory is NELAP ( T104704213) accredited. Effective: 04/01/2022; Expires: 3/31/2023
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

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# Laboratory Report: Case Narrative

A&B Job ID: 23021792

Date: 02/28/23

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Date Received: 02/17/23

Collected By:

Extracts were provided and analyzed based on the attached bench sheets.

Batch ID: TPH-020923-01: The bench sheet is unclear. The original COC indicates that these samples are solids, but the bench sheet indicates 3mL final volume. We calculated using 10g:3mL based on the bench sheet.
Batch ID: TPH-020823-03: The final volumes listed were used to calculate.
Batch IDs: TPH-020723-03 and 020623-03: We calculated using 10g:10mL

Please feel free to reach out to me if you have any questions regarding this report.

Released By: Amanda Shute

Title: Project Manager

# LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 23021792

Date: 2/28/2023

## General Term Definition

| | | | |
|---|---|---|---|
| Back-Wt | Back Weight | Post-Wt | Post Weight |
| BRL | Below Reporting Limit | ppm | parts per million |
| cfu | colony-forming units | Pre-Wt | Previous Weight |
| Conc. | Concentration | Q | Qualifier |
| D.F. | Dilution Factor | RegLimit | Regulatory Limit |
| Front-Wt | Front Weight | RPD | Relative Percent Difference |
| LCS | Laboratory Check Standard | RptLimit | Reporting Limit |
| LCSD | Laboratory Check Standard Duplicate | SDL | Sample Detection Limit |
| MS | Matrix Spike | surr | Surrogate |
| MSD | Matrix Spike Duplicate | T | Time |
| MW | Molecular Weight | TNTC | Too numerous to count |
| J | Estimation. Below calibration range but above MDL | MQL | Minimum Quantitation Limit |

## Qualifier Definition

| | |
|---|---|
| J | Estimation. Below calibration range but above MDL. |
| S1 | Surrogate recovery is above control limit. Results may be biased high. |
| S2 | Surrogate recovery is below control limit. Results may be biased low. |
| S6 | Surrogate recovery is outside control limits due to matrix effects. |
| S8 | Target compounds caused elevation of baseline. Surrogate may be biased high. |

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0765-MB

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.01

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/17/23 19:06 | VMN |
| | >C12-C28 | 18.74 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/17/23 19:06 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/17/23 19:06 | VMN |
| | Total C6-C35 | 18.74 | mg/Kg | 1.00 | 6.20 | | | | 02/17/23 19:06 | VMN |
| | 1-Chlorooctane(surr) | 94.1 | % | 1.00 | | 60-143 | | | 02/17/23 19:06 | VMN |
| | Chlorooctadecane(surr) | 83.4 | % | 1.00 | | 60-150 | | | 02/17/23 19:06 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0765-MDL

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.02

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/17/23 19:37 | VMN |
| | >C12-C28 | 8.43 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/17/23 19:37 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/17/23 19:37 | VMN |
| | Total C6-C35 | 8.43 | mg/Kg | 1.00 | 6.20 | | | | 02/17/23 19:37 | VMN |
| | 1-Chlorooctane(surr) | 96.4 | % | 1.00 | | 60-143 | | | 02/17/23 19:37 | VMN |
| | Chlorooctadecane(surr) | 83 | % | 1.00 | | 60-150 | | | 02/17/23 19:37 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0765-BS1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.03

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 222.09 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/17/23 20:10 | VMN |
| | >C12-C28 | 187.61 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/17/23 20:10 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/17/23 20:10 | VMN |
| | Total C6-C35 | 409.70 | mg/Kg | 1.00 | 6.20 | | | | 02/17/23 20:10 | VMN |
| | 1-Chlorooctane(surr) | 94.2 | % | 1.00 | | 60-143 | | | 02/17/23 20:10 | VMN |
| | Chlorooctadecane(surr) | 84.1 | % | 1.00 | | 60-150 | | | 02/17/23 20:10 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0765-BSD1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.04

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 213.90 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/17/23 20:43 | VMN |
| | >C12-C28 | 182.16 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/17/23 20:43 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/17/23 20:43 | VMN |
| | Total C6-C35 | 396.06 | mg/Kg | 1.00 | 6.20 | | | | 02/17/23 20:43 | VMN |
| | 1-Chlorooctane(surr) | 89.5 | % | 1.00 | | 60-143 | | | 02/17/23 20:43 | VMN |
| | Chlorooctadecane(surr) | 85 | % | 1.00 | | 60-150 | | | 02/17/23 20:43 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0765-MS

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.05

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 197.42 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/17/23 21:17 | VMN |
| | >C12-C28 | 150.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/17/23 21:17 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/17/23 21:17 | VMN |
| | Total C6-C35 | 347.76 | mg/Kg | 1.00 | 6.20 | | | | 02/17/23 21:17 | VMN |
| | 1-Chlorooctane(surr) | 80.3 | % | 1.00 | | 60-143 | | | 02/17/23 21:17 | VMN |
| | Chlorooctadecane(surr) | 71.6 | % | 1.00 | | 60-150 | | | 02/17/23 21:17 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0765-MSD

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.06

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 236.55 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/17/23 21:48 | VMN |
| | >C12-C28 | 182.18 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/17/23 21:48 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/17/23 21:48 | VMN |
| | Total C6-C35 | 418.74 | mg/Kg | 1.00 | 6.20 | | | | 02/17/23 21:48 | VMN |
| | 1-Chlorooctane(surr) | 95.2 | % | 1.00 | | 60-143 | | | 02/17/23 21:48 | VMN |
| | Chlorooctadecane(surr) | 74.2 | % | 1.00 | | 60-150 | | | 02/17/23 21:48 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-46

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.07

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/17/23 22:20 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/17/23 22:20 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/17/23 22:20 | VMN |
| | Total C6-C35 | <6.2 | mg/Kg | 1.00 | 6.20 | | | | 02/17/23 22:20 | VMN |
| | 1-Chlorooctane(surr) | 75.5 | % | 1.00 | | 60-143 | | | 02/17/23 22:20 | VMN |
| | Chlorooctadecane(surr) | 66.7 | % | 1.00 | | 60-150 | | | 02/17/23 22:20 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-47
Date Collected:
Time Collected:
Other Information:

Job Sample ID: 23021792.08
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/17/23 22:51 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/17/23 22:51 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/17/23 22:51 | VMN |
| | Total C6-C35 | <6.2 | mg/Kg | 1.00 | 6.20 | | | | 02/17/23 22:51 | VMN |
| | 1-Chlorooctane(surr) | 88.3 | % | 1.00 | | 60-143 | | | 02/17/23 22:51 | VMN |
| | Chlorooctadecane(surr) | 79.2 | % | 1.00 | | 60-150 | | | 02/17/23 22:51 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-55

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.09

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 00:23 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 00:23 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 00:23 | VMN |
| | Total C6-C35 | <6.2 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 00:23 | VMN |
| | 1-Chlorooctane(surr) | 96.3 | % | 1.00 | | 60-143 | | | 02/18/23 00:23 | VMN |
| | Chlorooctadecane(surr) | 78.5 | % | 1.00 | | 60-150 | | | 02/18/23 00:23 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0983-BLK1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.10

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 00:56 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 00:56 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 00:56 | VMN |
| | Total C6-C35 | <6.2 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 00:56 | VMN |
| | 1-Chlorooctane(surr) | 93.6 | % | 1.00 | | 60-143 | | | 02/18/23 00:56 | VMN |
| | Chlorooctadecane(surr) | 79.7 | % | 1.00 | | 60-150 | | | 02/18/23 00:56 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0983-MRL1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.11

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 01:29 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 01:29 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 01:29 | VMN |
| | Total C6-C35 | <6.2 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 01:29 | VMN |
| | 1-Chlorooctane(surr) | 89.6 | % | 1.00 | | 60-143 | | | 02/18/23 01:29 | VMN |
| | Chlorooctadecane(surr) | 79.1 | % | 1.00 | | 60-150 | | | 02/18/23 01:29 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0983-BS1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.12

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 220.46 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 02:01 | VMN |
| | >C12-C28 | 184.73 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 02:01 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 02:01 | VMN |
| | Total C6-C35 | 405.19 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 02:01 | VMN |
| | 1-Chlorooctane(surr) | 92.2 | % | 1.00 | | 60-143 | | | 02/18/23 02:01 | VMN |
| | Chlorooctadecane(surr) | 82 | % | 1.00 | | 60-150 | | | 02/18/23 02:01 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0983-BSD1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.13

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 216.69 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 02:34 | VMN |
| | >C12-C28 | 173.07 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 02:34 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 02:34 | VMN |
| | Total C6-C35 | 389.76 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 02:34 | VMN |
| | 1-Chlorooctane(surr) | 91.1 | % | 1.00 | | 60-143 | | | 02/18/23 02:34 | VMN |
| | Chlorooctadecane(surr) | 79.4 | % | 1.00 | | 60-150 | | | 02/18/23 02:34 | VMN |

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0983-MS1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.14

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 199.08 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 03:06 | VMN |
| | >C12-C28 | 120.85 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 03:06 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 03:06 | VMN |
| | Total C6-C35 | 319.93 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 03:06 | VMN |
| | 1-Chlorooctane(surr) | 70 | % | 1.00 | | 60-143 | | | 02/18/23 03:06 | VMN |
| | Chlorooctadecane(surr) | 51 | % | 1.00 | | 60-150 | | S6 | 02/18/23 03:06 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB0983-MSD1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.15

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 224.64 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 03:38 | VMN |
| | >C12-C28 | 160.50 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 03:38 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 03:38 | VMN |
| | Total C6-C35 | 385.15 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 03:38 | VMN |
| | 1-Chlorooctane(surr) | 76.5 | % | 1.00 | | 60-143 | | | 02/18/23 03:38 | VMN |
| | Chlorooctadecane(surr) | 54.5 | % | 1.00 | | 60-150 | | S6 | 02/18/23 03:38 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A3576-16
Date Collected:
Time Collected:
Other Information:

Job Sample ID: 23021792.16
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 04:10 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 04:10 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 04:10 | VMN |
| | Total C6-C35 | <6.2 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 04:10 | VMN |
| | 1-Chlorooctane(surr) | 59.7 | % | 1.00 | | 60-143 | | S6 | 02/18/23 04:10 | VMN |
| | Chlorooctadecane(surr) | 48.3 | % | 1.00 | | 60-150 | | S6 | 02/18/23 04:10 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A3576-23

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.17

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 04:42 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 04:42 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 04:42 | VMN |
| | Total C6-C35 | <6.2 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 04:42 | VMN |
| | 1-Chlorooctane(surr) | 53.6 | % | 1.00 | | 60-143 | | S6 | 02/18/23 04:42 | VMN |
| | Chlorooctadecane(surr) | 56.2 | % | 1.00 | | 60-150 | | S6 | 02/18/23 04:42 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A3576-28

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.18

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 05:14 | VMN |
| | >C12-C28 | 10.25 | mg/Kg | 1.00 | 7.35 | 25 | | J | 02/18/23 05:14 | VMN |
| | >C28-C35 | 10.58 | mg/Kg | 1.00 | 6.20 | 25 | | J | 02/18/23 05:14 | VMN |
| | Total C6-C35 | 20.83 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 05:14 | VMN |
| | 1-Chlorooctane(surr) | 55.8 | % | 1.00 | | 60-143 | | S6 | 02/18/23 05:14 | VMN |
| | Chlorooctadecane(surr) | 46.1 | % | 1.00 | | 60-150 | | S6 | 02/18/23 05:14 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A3576-35
Date Collected:
Time Collected:
Other Information:

Job Sample ID: 23021792.19
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 05:46 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 05:46 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 05:46 | VMN |
| | Total C6-C35 | <6.2 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 05:46 | VMN |
| | 1-Chlorooctane(surr) | 81.7 | % | 1.00 | | 60-143 | | | 02/18/23 05:46 | VMN |
| | Chlorooctadecane(surr) | 74.9 | % | 1.00 | | 60-150 | | | 02/18/23 05:46 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A3576-36

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.20

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 06:17 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 06:17 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 06:17 | VMN |
| | Total C6-C35 | <6.2 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 06:17 | VMN |
| | 1-Chlorooctane(surr) | 57.1 | % | 1.00 | | 60-143 | | S6 | 02/18/23 06:17 | VMN |
| | Chlorooctadecane(surr) | 42.3 | % | 1.00 | | 60-150 | | S6 | 02/18/23 06:17 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-54

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.21

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 06:49 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 06:49 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 06:49 | VMN |
| | Total C6-C35 | <6.2 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 06:49 | VMN |
| | 1-Chlorooctane(surr) | 87.8 | % | 1.00 | | 60-143 | | | 02/18/23 06:49 | VMN |
| | Chlorooctadecane(surr) | 76.2 | % | 1.00 | | 60-150 | | | 02/18/23 06:49 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-56

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.22

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 8.94 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 07:21 | VMN |
| | >C12-C28 | < 7.35 | mg/Kg | 1.00 | 7.35 | 25 | | | 02/18/23 07:21 | VMN |
| | >C28-C35 | < 6.2 | mg/Kg | 1.00 | 6.20 | 25 | | | 02/18/23 07:21 | VMN |
| | Total C6-C35 | <6.2 | mg/Kg | 1.00 | 6.20 | | | | 02/18/23 07:21 | VMN |
| | 1-Chlorooctane(surr) | 82.9 | % | 1.00 | | 60-143 | | | 02/18/23 07:21 | VMN |
| | Chlorooctadecane(surr) | 76.7 | % | 1.00 | | 60-150 | | | 02/18/23 07:21 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A4543-01

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.23

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 223.62 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 07:52 | VMN |
| | >C12-C28 | 3591.96 | mg/Kg | 20.00 | 147 | 25 | | | 02/20/23 14:11 | VMN |
| | >C28-C35 | 7937.44 | mg/Kg | 20.00 | 124 | 25 | | | 02/20/23 14:11 | VMN |
| | Total C6-C35 | 11753.02 | mg/Kg | 20.00 | 124 | | | | 02/20/23 14:11 | VMN |
| | 1-Chlorooctane(surr) | 119 | % | 1.00 | | 60-143 | | | 02/18/23 07:52 | VMN |
| | 1-Chlorooctane(surr) | 1115 | % | 20.00 | | 60-143 | | S8 | 02/20/23 14:11 | VMN |
| | Chlorooctadecane(surr) | 41.7 | % | 1.00 | | 60-150 | | S2 | 02/18/23 07:52 | VMN |
| | Chlorooctadecane(surr) | 439 | % | 20.00 | | 60-150 | | S8 | 02/20/23 14:11 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A4543-02
Date Collected:
Time Collected:
Other Information:

Job Sample ID: 23021792.24
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 251.89 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 08:23 | VMN |
| | >C12-C28 | 4203.56 | mg/Kg | 20.00 | 147 | 25 | | | 02/20/23 14:44 | VMN |
| | >C28-C35 | 10445.04 | mg/Kg | 20.00 | 124 | 25 | | | 02/20/23 14:44 | VMN |
| | Total C6-C35 | 14900.49 | mg/Kg | 20.00 | 124 | | | | 02/20/23 14:44 | VMN |
| | 1-Chlorooctane(surr) | 128 | % | 1.00 | | 60-143 | | | 02/18/23 08:23 | VMN |
| | 1-Chlorooctane(surr) | 1230 | % | 20.00 | | 60-143 | | S8 | 02/20/23 14:44 | VMN |
| | Chlorooctadecane(surr) | 52 | % | 1.00 | | 60-150 | | S2 | 02/18/23 08:23 | VMN |
| | Chlorooctadecane(surr) | 594 | % | 20.00 | | 60-150 | | S8 | 02/20/23 14:44 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A4543-03

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.25

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 250.41 | mg/Kg | 1.00 | 8.94 | 25 | | | 02/18/23 08:55 | VMN |
| | >C12-C28 | 3957.72 | mg/Kg | 20.00 | 147 | 25 | | | 02/20/23 15:18 | VMN |
| | >C28-C35 | 10074.42 | mg/Kg | 20.00 | 124 | 25 | | | 02/20/23 15:18 | VMN |
| | Total C6-C35 | 14282.54 | mg/Kg | 20.00 | 124 | | | | 02/20/23 15:18 | VMN |
| | 1-Chlorooctane(surr) | 126 | % | 1.00 | | 60-143 | | | 02/18/23 08:55 | VMN |
| | 1-Chlorooctane(surr) | 1139 | % | 20.00 | | 60-143 | | S8 | 02/20/23 15:18 | VMN |
| | Chlorooctadecane(surr) | 44.7 | % | 1.00 | | 60-150 | | S2 | 02/18/23 08:55 | VMN |
| | Chlorooctadecane(surr) | 510 | % | 20.00 | | 60-150 | | S8 | 02/20/23 15:18 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1373-BLK1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.26

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.659 | mg/L | 1.08 | 0.659 | 2.15 | | | 02/18/23 09:27 | VMN |
| | >C12-C28 | < 0.691 | mg/L | 1.08 | 0.691 | 2.15 | | | 02/18/23 09:27 | VMN |
| | >C28-C35 | 0.813 | mg/L | 1.08 | 0.508 | 2.15 | | J | 02/18/23 09:27 | VMN |
| | Total C6-C35 | 0.813 | mg/L | 1.08 | 0.508 | | | | 02/18/23 09:27 | VMN |
| | 1-Chlorooctane(surr) | 120 | % | 1.08 | | 70-125 | | | 02/18/23 09:27 | VMN |
| | Chlorooctadecane(surr) | 93.8 | % | 1.08 | | 70-125 | | | 02/18/23 09:27 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1373-MRL1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.27

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.677 | mg/L | 1.11 | 0.677 | 2.15 | | | 02/18/23 09:59 | VMN |
| | >C12-C28 | < 0.71 | mg/L | 1.11 | 0.710 | 2.15 | | | 02/18/23 09:59 | VMN |
| | >C28-C35 | < 0.522 | mg/L | 1.11 | 0.522 | 2.15 | | | 02/18/23 09:59 | VMN |
| | Total C6-C35 | <0.522 | mg/L | 1.11 | 0.522 | | | | 02/18/23 09:59 | VMN |
| | 1-Chlorooctane(surr) | 122 | % | 1.11 | | 70-125 | | | 02/18/23 09:59 | VMN |
| | Chlorooctadecane(surr) | 101 | % | 1.11 | | 70-125 | | | 02/18/23 09:59 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1373-BS1
Date Collected:
Time Collected:
Other Information:

Job Sample ID: 23021792.28
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 31.62 | mg/L | 1.11 | 0.677 | 2.15 | | | 02/18/23 10:31 | VMN |
| | >C12-C28 | 29.47 | mg/L | 1.11 | 0.710 | 2.15 | | | 02/18/23 10:31 | VMN |
| | >C28-C35 | < 0.522 | mg/L | 1.11 | 0.522 | 2.15 | | | 02/18/23 10:31 | VMN |
| | Total C6-C35 | 61.08 | mg/L | 1.11 | 0.522 | | | | 02/18/23 10:31 | VMN |
| | 1-Chlorooctane(surr) | 125 | % | 1.11 | | 70-125 | | | 02/18/23 10:31 | VMN |
| | Chlorooctadecane(surr) | 105 | % | 1.11 | | 70-125 | | | 02/18/23 10:31 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1373-BSD1
Date Collected:
Time Collected:
Other Information:

Job Sample ID: 23021792.29
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 28.15 | mg/L | 1.08 | 0.659 | 2.15 | | | 02/18/23 12:09 | VMN |
| | >C12-C28 | 26.88 | mg/L | 1.08 | 0.691 | 2.15 | | | 02/18/23 12:09 | VMN |
| | >C28-C35 | < 0.508 | mg/L | 1.08 | 0.508 | 2.15 | | | 02/18/23 12:09 | VMN |
| | Total C6-C35 | 55.04 | mg/L | 1.08 | 0.508 | | | | 02/18/23 12:09 | VMN |
| | 1-Chlorooctane(surr) | 109 | % | 1.08 | | 70-125 | | | 02/18/23 12:09 | VMN |
| | Chlorooctadecane(surr) | 93.3 | % | 1.08 | | 70-125 | | | 02/18/23 12:09 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1373-MS1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.30

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 25.83 | mg/L | 1.04 | 0.634 | 2.15 | | | 02/18/23 12:40 | VMN |
| | >C12-C28 | 22.15 | mg/L | 1.04 | 0.666 | 2.15 | | | 02/18/23 12:40 | VMN |
| | >C28-C35 | < 0.489 | mg/L | 1.04 | 0.489 | 2.15 | | | 02/18/23 12:40 | VMN |
| | Total C6-C35 | 47.98 | mg/L | 1.04 | 0.489 | | | | 02/18/23 12:40 | VMN |
| | 1-Chlorooctane(surr) | 97 | % | 1.04 | | 70-125 | | | 02/18/23 12:40 | VMN |
| | Chlorooctadecane(surr) | 87.4 | % | 1.04 | | 70-125 | | | 02/18/23 12:40 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1373-MSD

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.31

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 29.06 | mg/L | 1.04 | 0.634 | 2.15 | | | 02/18/23 13:12 | VMN |
| | >C12-C28 | 25.28 | mg/L | 1.04 | 0.666 | 2.15 | | | 02/18/23 13:12 | VMN |
| | >C28-C35 | < 0.489 | mg/L | 1.04 | 0.489 | 2.15 | | | 02/18/23 13:12 | VMN |
| | Total C6-C35 | 54.34 | mg/L | 1.04 | 0.489 | | | | 02/18/23 13:12 | VMN |
| | 1-Chlorooctane(surr) | 104 | % | 1.04 | | 70-125 | | | 02/18/23 13:12 | VMN |
| | Chlorooctadecane(surr) | 90.9 | % | 1.04 | | 70-125 | | | 02/18/23 13:12 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-02

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.32

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.622 | mg/L | 1.02 | 0.622 | 2.15 | | | 02/18/23 13:43 | VMN |
| | >C12-C28 | 0.66 | mg/L | 1.02 | 0.653 | 2.15 | | J | 02/18/23 13:43 | VMN |
| | >C28-C35 | < 0.479 | mg/L | 1.02 | 0.479 | 2.15 | | | 02/18/23 13:43 | VMN |
| | Total C6-C35 | 0.66 | mg/L | 1.02 | 0.479 | | | | 02/18/23 13:43 | VMN |
| | 1-Chlorooctane(surr) | 93.2 | % | 1.02 | | 70-125 | | | 02/18/23 13:43 | VMN |
| | Chlorooctadecane(surr) | 81.9 | % | 1.02 | | 70-125 | | | 02/18/23 13:43 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-03

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.33

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.634 | mg/L | 1.04 | 0.634 | 2.15 | | | 02/18/23 14:15 | VMN |
| | >C12-C28 | 0.976 | mg/L | 1.04 | 0.666 | 2.15 | | J | 02/18/23 14:15 | VMN |
| | >C28-C35 | < 0.489 | mg/L | 1.04 | 0.489 | 2.15 | | | 02/18/23 14:15 | VMN |
| | Total C6-C35 | 0.976 | mg/L | 1.04 | 0.489 | | | | 02/18/23 14:15 | VMN |
| | 1-Chlorooctane(surr) | 165 | % | 1.04 | | 70-125 | | S1 | 02/18/23 14:15 | VMN |
| | Chlorooctadecane(surr) | 173 | % | 1.04 | | 70-125 | | S1 | 02/18/23 14:15 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-04

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.34

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.628 | mg/L | 1.03 | 0.628 | 2.15 | | | 02/18/23 14:47 | VMN |
| | >C12-C28 | < 0.659 | mg/L | 1.03 | 0.659 | 2.15 | | | 02/18/23 14:47 | VMN |
| | >C28-C35 | < 0.484 | mg/L | 1.03 | 0.484 | 2.15 | | | 02/18/23 14:47 | VMN |
| | Total C6-C35 | <0.484 | mg/L | 1.03 | 0.484 | | | | 02/18/23 14:47 | VMN |
| | 1-Chlorooctane(surr) | 72.8 | % | 1.03 | | 70-125 | | | 02/18/23 14:47 | VMN |
| | Chlorooctadecane(surr) | 87.9 | % | 1.03 | | 70-125 | | | 02/18/23 14:47 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-05

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.35

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.634 | mg/L | 1.04 | 0.634 | 2.15 | | | 02/18/23 15:19 | VMN |
| | >C12-C28 | < 0.666 | mg/L | 1.04 | 0.666 | 2.15 | | | 02/18/23 15:19 | VMN |
| | >C28-C35 | < 0.489 | mg/L | 1.04 | 0.489 | 2.15 | | | 02/18/23 15:19 | VMN |
| | Total C6-C35 | <0.489 | mg/L | 1.04 | 0.489 | | | | 02/18/23 15:19 | VMN |
| | 1-Chlorooctane(surr) | 85.4 | % | 1.04 | | 70-125 | | | 02/18/23 15:19 | VMN |
| | Chlorooctadecane(surr) | 89.8 | % | 1.04 | | 70-125 | | | 02/18/23 15:19 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-49

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.36

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.628 | mg/L | 1.03 | 0.628 | 2.15 | | | 02/18/23 15:51 | VMN |
| | >C12-C28 | < 0.659 | mg/L | 1.03 | 0.659 | 2.15 | | | 02/18/23 15:51 | VMN |
| | >C28-C35 | < 0.484 | mg/L | 1.03 | 0.484 | 2.15 | | | 02/18/23 15:51 | VMN |
| | Total C6-C35 | <0.484 | mg/L | 1.03 | 0.484 | | | | 02/18/23 15:51 | VMN |
| | 1-Chlorooctane(surr) | 95 | % | 1.03 | | 70-125 | | | 02/18/23 15:51 | VMN |
| | Chlorooctadecane(surr) | 83.9 | % | 1.03 | | 70-125 | | | 02/18/23 15:51 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-50

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.37

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.622 | mg/L | 1.02 | 0.622 | 2.15 | | | 02/18/23 16:23 | VMN |
| | >C12-C28 | < 0.653 | mg/L | 1.02 | 0.653 | 2.15 | | | 02/18/23 16:23 | VMN |
| | >C28-C35 | 1.96 | mg/L | 1.02 | 0.479 | 2.15 | | J | 02/18/23 16:23 | VMN |
| | Total C6-C35 | 1.96 | mg/L | 1.02 | 0.479 | | | | 02/18/23 16:23 | VMN |
| | 1-Chlorooctane(surr) | 82.7 | % | 1.02 | | 70-125 | | | 02/18/23 16:23 | VMN |
| | Chlorooctadecane(surr) | 88.6 | % | 1.02 | | 70-125 | | | 02/18/23 16:23 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-62

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.38

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.634 | mg/L | 1.04 | 0.634 | 2.15 | | | 02/18/23 16:55 | VMN |
| | >C12-C28 | < 0.666 | mg/L | 1.04 | 0.666 | 2.15 | | | 02/18/23 16:55 | VMN |
| | >C28-C35 | 1.78 | mg/L | 1.04 | 0.489 | 2.15 | | J | 02/18/23 16:55 | VMN |
| | Total C6-C35 | 1.78 | mg/L | 1.04 | 0.489 | | | | 02/18/23 16:55 | VMN |
| | 1-Chlorooctane(surr) | 84.5 | % | 1.04 | | 70-125 | | | 02/18/23 16:55 | VMN |
| | Chlorooctadecane(surr) | 87.9 | % | 1.04 | | 70-125 | | | 02/18/23 16:55 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A3576-02

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.39

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.647 | mg/L | 1.06 | 0.647 | 2.15 | | | 02/18/23 17:27 | VMN |
| | >C12-C28 | < 0.678 | mg/L | 1.06 | 0.678 | 2.15 | | | 02/18/23 17:27 | VMN |
| | >C28-C35 | 0.844 | mg/L | 1.06 | 0.498 | 2.15 | | J | 02/18/23 17:27 | VMN |
| | Total C6-C35 | 0.844 | mg/L | 1.06 | 0.498 | | | | 02/18/23 17:27 | VMN |
| | 1-Chlorooctane(surr) | 76 | % | 1.06 | | 70-125 | | | 02/18/23 17:27 | VMN |
| | Chlorooctadecane(surr) | 89.8 | % | 1.06 | | 70-125 | | | 02/18/23 17:27 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A3576-04
Date Collected:
Time Collected:
Other Information:

Job Sample ID: 23021792.40
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.653 | mg/L | 1.07 | 0.653 | 2.15 | | | 02/18/23 17:59 | VMN |
| | >C12-C28 | < 0.685 | mg/L | 1.07 | 0.685 | 2.15 | | | 02/18/23 17:59 | VMN |
| | >C28-C35 | 0.653 | mg/L | 1.07 | 0.503 | 2.15 | | J | 02/18/23 17:59 | VMN |
| | Total C6-C35 | 0.653 | mg/L | 1.07 | 0.503 | | | | 02/18/23 17:59 | VMN |
| | 1-Chlorooctane(surr) | 91.5 | % | 1.07 | | 70-125 | | | 02/18/23 17:59 | VMN |
| | Chlorooctadecane(surr) | 85.9 | % | 1.07 | | 70-125 | | | 02/18/23 17:59 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A3576-06

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.41

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.653 | mg/L | 1.07 | 0.653 | 2.15 | | | 02/18/23 18:30 | VMN |
| | >C12-C28 | < 0.685 | mg/L | 1.07 | 0.685 | 2.15 | | | 02/18/23 18:30 | VMN |
| | >C28-C35 | 0.548 | mg/L | 1.07 | 0.503 | 2.15 | | J | 02/18/23 18:30 | VMN |
| | Total C6-C35 | 0.548 | mg/L | 1.07 | 0.503 | | | | 02/18/23 18:30 | VMN |
| | 1-Chlorooctane(surr) | 92.1 | % | 1.07 | | 70-125 | | | 02/18/23 18:30 | VMN |
| | Chlorooctadecane(surr) | 88.1 | % | 1.07 | | 70-125 | | | 02/18/23 18:30 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1402-BLK

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.42

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 2.68 | mg/Kg | 0.30 | 2.68 | 25 | | | 02/18/23 19:02 | VMN |
| | >C12-C28 | < 2.21 | mg/Kg | 0.30 | 2.21 | 25 | | | 02/18/23 19:02 | VMN |
| | >C28-C35 | < 1.86 | mg/Kg | 0.30 | 1.86 | 25 | | | 02/18/23 19:02 | VMN |
| | Total C6-C35 | <1.86 | mg/Kg | 0.30 | 1.86 | | | | 02/18/23 19:02 | VMN |
| | 1-Chlorooctane(surr) | 21.8 | % | 0.30 | | 60-143 | | S2 | 02/18/23 19:02 | VMN |
| | Chlorooctadecane(surr) | 23.4 | % | 0.30 | | 60-150 | | S2 | 02/18/23 19:02 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1402-MRL1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.43

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 2.68 | mg/Kg | 0.30 | 2.68 | 25 | | | 02/18/23 19:34 | VMN |
| | >C12-C28 | < 2.21 | mg/Kg | 0.30 | 2.21 | 25 | | | 02/18/23 19:34 | VMN |
| | >C28-C35 | < 1.86 | mg/Kg | 0.30 | 1.86 | 25 | | | 02/18/23 19:34 | VMN |
| | Total C6-C35 | <1.86 | mg/Kg | 0.30 | 1.86 | | | | 02/18/23 19:34 | VMN |
| | 1-Chlorooctane(surr) | 18.8 | % | 0.30 | | 60-143 | | S2 | 02/18/23 19:34 | VMN |
| | Chlorooctadecane(surr) | 23.3 | % | 0.30 | | 60-150 | | S2 | 02/18/23 19:34 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1402-BS1
Date Collected:
Time Collected:
Other Information:

Job Sample ID: 23021792.44
Sample Matrix Solid
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 69.16 | mg/Kg | 0.30 | 2.68 | 25 | | | 02/18/23 20:06 | VMN |
| | >C12-C28 | 54.73 | mg/Kg | 0.30 | 2.21 | 25 | | | 02/18/23 20:06 | VMN |
| | >C28-C35 | < 1.86 | mg/Kg | 0.30 | 1.86 | 25 | | | 02/18/23 20:06 | VMN |
| | Total C6-C35 | 123.89 | mg/Kg | 0.30 | 1.86 | | | | 02/18/23 20:06 | VMN |
| | 1-Chlorooctane(surr) | 30.3 | % | 0.30 | | 60-143 | | S2 | 02/18/23 20:06 | VMN |
| | Chlorooctadecane(surr) | 27.5 | % | 0.30 | | 60-150 | | S2 | 02/18/23 20:06 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1402-BSD1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.45

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 48.40 | mg/Kg | 0.30 | 2.68 | 25 | | | 02/18/23 20:37 | VMN |
| | >C12-C28 | 47.47 | mg/Kg | 0.30 | 2.21 | 25 | | | 02/18/23 20:37 | VMN |
| | >C28-C35 | < 1.86 | mg/Kg | 0.30 | 1.86 | 25 | | | 02/18/23 20:37 | VMN |
| | Total C6-C35 | 95.87 | mg/Kg | 0.30 | 1.86 | | | | 02/18/23 20:37 | VMN |
| | 1-Chlorooctane(surr) | 22.4 | % | 0.30 | | 60-143 | | S2 | 02/18/23 20:37 | VMN |
| | Chlorooctadecane(surr) | 30.4 | % | 0.30 | | 60-150 | | S2 | 02/18/23 20:37 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1402-MS1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.46

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 63.19 | mg/Kg | 0.30 | 2.68 | 25 | | | 02/18/23 21:09 | VMN |
| | >C12-C28 | 54.75 | mg/Kg | 0.30 | 2.21 | 25 | | | 02/18/23 21:09 | VMN |
| | >C28-C35 | < 1.86 | mg/Kg | 0.30 | 1.86 | 25 | | | 02/18/23 21:09 | VMN |
| | Total C6-C35 | 117.95 | mg/Kg | 0.30 | 1.86 | | | | 02/18/23 21:09 | VMN |
| | 1-Chlorooctane(surr) | 29.1 | % | 0.30 | | 60-143 | | S2 | 02/18/23 21:09 | VMN |
| | Chlorooctadecane(surr) | 30.4 | % | 0.30 | | 60-150 | | S2 | 02/18/23 21:09 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: BGB1402-MSD1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.47

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 51.95 | mg/Kg | 0.30 | 2.68 | 25 | | | 02/18/23 21:41 | VMN |
| | >C12-C28 | 52.42 | mg/Kg | 0.30 | 2.21 | 25 | | | 02/18/23 21:41 | VMN |
| | >C28-C35 | < 1.86 | mg/Kg | 0.30 | 1.86 | 25 | | | 02/18/23 21:41 | VMN |
| | Total C6-C35 | 104.37 | mg/Kg | 0.30 | 1.86 | | | | 02/18/23 21:41 | VMN |
| | 1-Chlorooctane(surr) | 23.5 | % | 0.30 | | 60-143 | | S2 | 02/18/23 21:41 | VMN |
| | Chlorooctadecane(surr) | 33 | % | 0.30 | | 60-150 | | S2 | 02/18/23 21:41 | VMN |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23021792

Date 2/28/2023

Client Name: NWDLS

Attn: Deena Higginbotham

Project Name:

Client Sample ID: 23A1459-66

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23021792.48

Sample Matrix Solid

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 2.68 | mg/Kg | 0.30 | 2.68 | 25 | | | 02/18/23 22:13 | VMN |
| | >C12-C28 | < 2.21 | mg/Kg | 0.30 | 2.21 | 25 | | | 02/18/23 22:13 | VMN |
| | >C28-C35 | < 1.86 | mg/Kg | 0.30 | 1.86 | 25 | | | 02/18/23 22:13 | VMN |
| | Total C6-C35 | <1.86 | mg/Kg | 0.30 | 1.86 | | | | 02/18/23 22:13 | VMN |
| | 1-Chlorooctane(surr) | 35.1 | % | 0.30 | | 60-143 | | S2 | 02/18/23 22:13 | VMN |
| | Chlorooctadecane(surr) | 29.3 | % | 0.30 | | 60-150 | | S2 | 02/18/23 22:13 | VMN |

ab-q212-0321

# QUALITY CONTROL CERTIFICATE

**Job ID :** 23021792 **Date :** 2/28/2023

**Analysis :** Total Petroleum Hydrocarbons **Method :** TX 1005 **Reporting Units :** mg/Kg

**QC Batch ID :** Qb230217150 **Created Date :** 02/17/23 **Created By :** VNair

**Samples in This QC Batch :** 23021792.01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

**Sample Preparation :** PB23021753 **Prep Method :** TX 1005 **Prep Date :** 02/17/23 13:01 **Prep By :** VRodriguez

**QC Type: Method Blank**

| Parameter | CAS # | Result | Units | D.F. | MQL | MDL | | Qual |
|---|---|---|---|---|---|---|---|---|
| C6-C12 | TPH-1005-1 | < MDL | mg/Kg | 1.00 | 25 | 8.94 | | |
| >C12-C28 | TPH-1005-2 | < MDL | mg/Kg | 1.00 | 25 | 7.35 | | |
| >C28-C35 | TPH-1005-4 | < MDL | mg/Kg | 1.00 | 25 | 6.20 | | |
| Total C6-C35 | | < MDL | mg/Kg | 1.00 | ---- | 6.20 | | |
| Chlorooctadecane(surr) | 3386-33-2 | 103 | % | 1.00 | | | | |
| 1-Chlorooctane(surr) | 111-85-3 | 128 | % | 1.00 | | | | |

**QC Type: LCS and LCSD**

| Parameter | LCS Spk Added | LCS Result | LCS % Rec | LCSD Spk Added | LCSD Result | LCSD % Rec | RPD | RPD CtrlLimit | %Recovery CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | 500 | 554 | 111 | 500 | 532 | 106 | 4.1 | 20 | 75-125 | |
| >C12-C28 | 500 | 521 | 104 | 500 | 518 | 104 | 0.5 | 20 | 75-125 | |
| >C28-C35 | 500 | 530 | 106 | 500 | 537 | 107 | 1.3 | 20 | 75-125 | |

# QUALITY CONTROL CERTIFICATE

**Job ID :** 23021792 **Date :** 2/28/2023

**Analysis :** Total Petroleum Hydrocarbons **Method :** TX 1005 **Reporting Units :** mg/Kg

**QC Batch ID :** Qb230217151 **Created Date :** 02/17/23 **Created By :** VNair

**Samples in This QC Batch :** 23021792.21,22,23,24,25,42,43,44,45,46,47,48

**Sample Preparation :** PB23021754 **Prep Method :** TX 1005 **Prep Date :** 02/17/23 13:45 **Prep By :** VRodriguez

**QC Type: Method Blank**

| Parameter | CAS # | Result | Units | D.F. | MQL | MDL | | Qual |
|---|---|---|---|---|---|---|---|---|
| C6-C12 | TPH-1005-1 | < MDL | mg/Kg | 1.00 | 25 | 8.94 | | |
| >C12-C28 | TPH-1005-2 | < MDL | mg/Kg | 1.00 | 25 | 7.35 | | |
| >C28-C35 | TPH-1005-4 | < MDL | mg/Kg | 1.00 | 25 | 6.20 | | |
| Total C6-C35 | | < MDL | mg/Kg | 1.00 | ---- | 6.20 | | |
| Chlorooctadecane(surr) | 3386-33-2 | 113 | % | 1.00 | | | | |
| 1-Chlorooctane(surr) | 111-85-3 | 141 | % | 1.00 | | | | |

**QC Type: LCS and LCSD**

| Parameter | LCS Spk Added | LCS Result | LCS % Rec | LCSD Spk Added | LCSD Result | LCSD % Rec | RPD | RPD CtrlLimit | %Recovery CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | 500 | 431 | 86.2 | 500 | 484 | 96.8 | 11.5 | 20 | 75-125 | |
| >C12-C28 | 500 | 446 | 89.2 | 500 | 471 | 94.3 | 5.5 | 20 | 75-125 | |
| >C28-C35 | 500 | 511 | 102 | 500 | 508 | 102 | 0.6 | 20 | 75-125 | |

# QUALITY CONTROL CERTIFICATE

**Job ID :** 23021792 **Date :** 2/28/2023

**Analysis : Total Petroleum Hydrocarbons** **Method : TX 1005** **Reporting Units : mg/L**

**QC Batch ID :** Qb230217152 **Created Date :** 02/17/23 **Created By :** VNair

**Samples in This QC Batch :** 23021792.26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41

**Sample Preparation :** PB23021749 **Prep Method :** TX 1005 **Prep Date :** 02/17/23 14:00 **Prep By :** VRodriguez

**QC Type: Method Blank**

| Parameter | CAS # | Result | Units | D.F. | MQL | MDL | | Qual |
|---|---|---|---|---|---|---|---|---|
| C6-C12 | TPH-1005-1 | < MDL | mg/L | 1.00 | 2.15 | 0.61 | | |
| >C12-C28 | TPH-1005-2 | < MDL | mg/L | 1.00 | 2.15 | 0.64 | | |
| >C28-C35 | TPH-1005-4 | < MDL | mg/L | 1.00 | 2.15 | 0.47 | | |
| Total C6-C35 | | < MDL | mg/L | 1.00 | ---- | 0.47 | | |
| Chlorooctadecane(surr) | 3386-33-2 | 92.7 | % | 1.00 | | | | |
| 1-Chlorooctane(surr) | 111-85-3 | 114 | % | 1.00 | | | | |

**QC Type: LCS and LCSD**

| Parameter | LCS Spk Added | LCS Result | LCS % Rec | LCSD Spk Added | LCSD Result | LCSD % Rec | RPD | RPD CtrlLimit | %Recovery CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | 43 | 44.4 | 103 | 43 | 42.8 | 99.5 | 3.6 | 20 | 75-125 | |
| >C12-C28 | 43 | 43.4 | 101 | 43 | 40.6 | 94.5 | 6.7 | 20 | 75-125 | |
| >C28-C35 | 43 | 47.5 | 110 | 43 | 44.7 | 104 | 6.1 | 20 | 75-125 | |

| Prep Doc: | OP117 | Batch ID: | TPH-020623-03 | Centrifuge: | 44323P-7 | 2nd Review: | OJT 02-16-23 | Organic Extractions |
|---|---|---|---|---|---|---|---|---|
| Extraction Analyst/Date: | RLK 0206-23 | Extraction Start Time: | 15:05 | Hand Shaken or 071401 | | Scale ID: | 8337765245 | Comments: BGB0765 |

**Matrix:** Aq / Solid / BT / Saline / CW / Non-Aq / DW

**Analyte Group:** TX1005 TPH / TX1006 TPH / Screen Only / Other:

**Extraction Technique:** MLLE / MLSE / Other:

| Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) | Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) |
|---|---|---|---|---|---|
| S1 2201668 | .250 | 10,000 | S3 TPH SPK 2205642 | .250 | 20,000 |
| S2 MDL 2301827 | .015 | 2000 | S4 – | – | – |

| Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID |
|---|---|---|---|---|---|---|---|---|---|
| R1 n-Pentane | 2302226 | R3 Acetone | 2210277 | R5 pH paper | — | R7 — | — | R9 — | — |
| R2 Sand | 2108703 | R4 MeOH | 2210712 | R6 DI-Water | DI-Water-01 | R8 — | — | R10 — | — |

| Post Extraction Concentration[P1] | | | |
|---|---|---|---|
| Analyst/Date: | | or N/A | |
| NEVAP Temp: | °C | Temp. ID | |
| $N_2$ Blowdown | | | |
| Final Solvent: n-Pentane / Other: | | | |

Note: Continued on next page.

Job ID:23021792

02/17/2023 NWDLS AMS

| | Vial ID | Sample ID | Re-extraction | Amt. Extracted (g / mL) | Spk # | Initial pH | Final Vol. (mL)[P1] | TX1006 | Fraction #1 initial vol.(mL) | Fraction #1 final vol.(mL)[P1] | Fraction #2 initial vol.(mL) | Fraction #2 final vol.(mL) P2 | Comments/Dilutions/ Reagent Change/Other Clnups, etc. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01A | N/A | BGB0765-MB | | 10.08 | S1 | N/A | 10 | | N/A | N/A | N/A | N/A | |
| 02A | | MDL | | 10.10 | S2 | | | | | | | | |
| 03A | | BS | | 10.06 | S3 | | | | | | | | |
| 04A | | BSD | | 10.06 | S3 | | | | | | | | |
| 05A | | MS | | 10.24 | S3 | | | | | | | | 23A1459-46MS |
| 06A | | MSD | | 10.06 | S3 | | | | | | | | 23A1459-46MSD |
| 07A | | 23A1459-46 | ✓ | 10.28 | | | | | | | | | P" 23A1459-46 |
| 08A | | -47 | ✓ | 10.17 | | | | | | | | | |
| 09A | | -55 | | 10.28 | | | | | | | | | |
| | 10 | | | | | | | | | | | | |
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| | 25 | | | | | | | | | | | | CST 02.16.23 |

Batch ID: TPH-020623-03 **Analyte Group (circle):** (TX1005 TPH) / TX1006 TPH / Screen Only / Other:_____

| Prep Doc: | OP117 | Batch ID: | TPH-020723-03 | Centrifuge: | 44323P7 | 2nd Review: | CJT 02.16.23 | Organic Extractions |
|---|---|---|---|---|---|---|---|---|
| Extraction Analyst/Date: | CJT 02/07/23 | Extraction Start Time: | 1100 | Hand Shaken or 071401 | | Scale ID: | B9299656660 | Comments: BGB0983 |

**Matrix:** Aq / Solid / BT / Saline / CW / Non-Aq / DW

**Analyte Group:** TX1005 TPH / TX1006 TPH / Screen Only / Other:

**Extraction Technique:** MLLE / MLSE / Other:

| Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) | Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) |
|---|---|---|---|---|---|
| S1 2212742 | .250 | 10,000 | S3 2205642 | .250 | 20000 |
| S2 2301827 | .015 | 2,000 | S4 | | |

| Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID |
|---|---|---|---|---|---|---|---|---|---|
| R1 n-Pentane | 2302226 | R3 Acetone | 2210277 | R5 pH paper | — | R7 | | R9 | |
| R2 Sand | 2108703 | R4 MeOH | 2202540 | R6 DI-Water | DI-Water-01 | R8 | | R10 | |

| Post Extraction Concentration[P1] | | | |
|---|---|---|---|
| Analyst/Date: | | or N/A | |
| NEVAP Temp: | °C | Temp. ID | |
| $N_2$ Blowdown | | | |
| Final Solvent: n-Pentane / Other: | | | |

Note: Continued on next page.

| Vial ID | Sample ID | Re-extraction | Amt. Extracted (g / mL) | Spk # | Initial pH | Final Vol. (mL)P1 | TX1006 | Fraction #1 initial vol.(mL) | Fraction #1 final vol.(mL)P1 | Fraction #2 initial vol.(mL) | Fraction #2 final vol.(mL) P2 | Comments/Dilutions/ Reagent Change/Other Clnups, etc. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10A | BGB0983-BLK1 | | 10.13 | S1 | n/a | 10.0 | | | | | | |
| 11A | -MR2 | | 10.30 | S2 | | | | | | | | |
| 12A | -BS1 3 | | 10.08 | S3 | | | | | | | | |
| 13A | -BSD1 4 | | 10.13 | | | | | | | | | |
| 14A | -MS1 5 | | 10.00 | | | | | | | | | |
| 15A | -MSD1 6 | | ↓ | ↓ | | | | | | | | |
| 16A | 23A3576-16 7 | | 10.12 | | | | | | | | | |
| 17A | -23 8 | | 10.45 | | | | | | | | | |
| 18A | -28 9 | | 10.43 | | | | | | | | | |
| 19A | -35 10 | | 10.07 | | | | | | | | | |
| 20A | -36 11 | | 10.45 | | | | | | | | | |
| 21A | 23A1459-54 12 | | 10.65 | | | | | | | | | |
| 22A | -56 13 | | 10.23 | | | | | | | | | |
| 23A | 23A4543-01 14 | | 10.15 | | | | | | | | | |
| 24A | -02 15 | | 10.40 | | | | | | | | | |
| 25A | -03 16 | | 10.39 | ↓ | ↓ | ↓ | | | | | | |
| | 17 | | | | | | | | | | | |
| | 18 | | | | | | | | | | | |
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| | 24 | | | | | | | | | | | |
| | 25 | | | | | | | | | | | CST 02.16.23 |

Batch ID: *TPH-* 020723-03 **Analyte Group (circle):** (TX1005 TPH) / TX1006 TPH / Screen Only / Other:_____

| Prep Doc: | OP117 | Batch ID: | TPH-020823-03 | Centrifuge: | 44323P-7 | 2nd Review: | CJT 02-16-23 | **Organic Extractions** |
|---|---|---|---|---|---|---|---|---|
| Extraction Analyst/Date: | CJT 02/08/23 | Extraction Start Time: | 1252 | Hand Shaken or (Vortexed) | 07/1401 | Scale ID: | B929965d60 | Comments: BGB1373 |

**Matrix:** (Aq) / Solid / BT / Saline / CW / Non-Aq / DW

**Analyte Group:** (TX1005 TPH) / TX1006 TPH / Screen Only / Other:

**Extraction Technique:** (MLLE) / MLSE / Other:

| Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) | Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) |
|---|---|---|---|---|---|
| S1 2212742 | .100 | 10,000 | S3 2301827 | .003 | 2,000 |
| S2 2205642 | .100 | 20,000 | S4 | | |

| Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID |
|---|---|---|---|---|---|---|---|---|---|
| R1 n-Pentane | 2302226 | R3 Acetone | 2210277 | R5 pH paper | 2209804 | R7 | | R9 | |
| R2 Sand | — | R4 MeOH | 2202540 | R6 DI-Water | DI-Water-01 | R8 | | R10 | |

| Post Extraction Concentration[P1] | | | |
|---|---|---|---|
| Analyst/Date: | | or (N/A) | |
| NEVAP Temp: | °C | Temp. ID | |
| $N_2$ Blowdown | | | |
| Final Solvent: n-Pentane / Other: | | | |

Note: Continued on next page.

| Vial ID | Sample ID | Re-extraction | Amt. Extracted (g / mL) | Spk # | Initial pH | Final Vol. (mL)P1 | TX1006 | Fraction #1 initial vol.(mL) | Fraction #1 final vol.(mL)P1 | Fraction #2 initial vol.(mL) | Fraction #2 final vol.(mL) P2 | Comments/Dilutions/ Reagent Change/Other Clnups, etc. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26A | BGB1573-BLK1 | | 32.31 | S1 | ~6 | 3.0 | | | | | | |
| 27A | -MRL2 | | 31.56 | S3 | | | | | | | | |
| 28A | -BS1 3 | | 31.63 | S2 | | | | | | | | |
| 29A | -BSD1 4 | | 32.42 | | | | | | | | | |
| 30A | -MS1 5 | | 33.80 | | ~1 | | | | | | | |
| 31A | -MSD 6 | | 33.53 | | | | | | | | | |
| 32A | 23A1459-02 7 | | 34.40 | | | | | | | | | |
| 33A | -03 8 | | 33.63 | | | | | | | | | |
| 34A | -04 9 | | 34.00 | | | | | | | | | |
| 35A | -05 10 | | 33.68 | | | | | | | | | |
| 36A | -49 11 | | 34.11 | | | | | | | | | |
| 37A | -50 12 | | 34.21 | | | | | | | | | |
| 38A | -62 13 | | 33.52 | | | | | | | | | |
| 39A | 23A3576-02 14 | | 32.99 | | | | | | | | | |
| 40A | -04 15 | | 32.73 | | | | | | | | | |
| 41A | -06 16 | | 32.69 | | | | | | | | | |
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| | 25 | | | | | | | | | | | CST 02.16.23 |

Batch ID: *TPH-* 020823-03 **Analyte Group (circle):** TX1005 TPH / TX1006 TPH / Screen Only / Other:_____

| Prep Doc: | OP117 | Batch ID: | TPH- 020923-01 | Centrifuge: | 443238-7 | 2nd Review: | CST 02/16/23 | **Organic Extractions** |
|---|---|---|---|---|---|---|---|---|
| Extraction Analyst/Date: | CST 02/09/23 | Extraction Start Time: | 1405 | Hand Shaken or (071401) | | Scale ID: | 8929656600 | Comments: BGB1402 |
| **Matrix**: Aq / (Solid) / BT / Saline / CW / Non-Aq / DW | | **Analyte Group:** (TX1005 TPH) / TX1006 TPH / Screen Only / Other: | | **Extraction Technique**: MLLE / (MLSE) Other: | | | | |

| Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) | Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) |
|---|---|---|---|---|---|
| S1 2212742 | .250 | 10,000 | S3 2205642 | .250 | 20,000 |
| S2 2301827 | .015 | 2,000 | S4 | | |

| Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID |
|---|---|---|---|---|---|---|---|---|---|
| R1 n-Pentane | 2302226 | R3 Acetone | 2210277 | R5 pH paper | — | R7 | | R9 | |
| R2 Sand | 2108703 | R4 MeOH | 2202540 | R6 DI-Water | DI-Water-01 | R8 | | R10 | |

| **Post Extraction Concentration**[P1] | | | |
|---|---|---|---|
| Analyst/Date: | | or (N/A) | |
| NEVAP Temp: | °C | Temp. ID | |
| $N_2$ Blowdown | | | |
| Final Solvent: n-Pentane / Other: | | | |

Note: Continued on next page.

| Vial ID | Sample ID | Re-extraction | Amt. Extracted (g / mL) | Spk # | Initial pH | Final Vol. (mL)[P1] | TX1006 | Fraction #1 initial vol.(mL) | Fraction #1 final vol.(mL)[P1] | Fraction #2 initial vol.(mL) | Fraction #2 final vol.(mL) P2 | Comments/Dilutions/ Reagent Change/Other Clnups, etc. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42A | BGB1402-BLK | | 10.12 | $S_1$ | n/a | 3.0 | | | | | | |
| 43A | -MRL[2] | | 10.01 | $S_2$ | | | | | | | | |
| 44A | -BS1[3] | | 10.09 | $S_3$ | | | | | | | | |
| 45A | -BSD1[4] | | 10.04 | | | | | | | | | |
| 46A | -MS1[5] | | 10.39 | | | | | | | | | |
| 47A | -MSD1[6] | | 10.02 | | | | | | | | | |
| 48A | 2391459-666[7] | | 10.63 | ↓ | ↓ | ↓ | | | | | | |
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Batch ID: *TPH-* 020923-01 **Analyte Group (circle):** (TX1005 TPH) / TX1006 TPH / Screen Only / Other:_____

# Sample Condition Checklist

| | | |
|---|---|---|
| A&B JobID : **23021792** | Date Received : **02/17/2023** | Time Received : **9:30AM** |
| Client Name : **NWDLS** | | |
| Temperature : **1.0°C** | Sample pH : **NA** | |
| Thermometer ID : **IR4** | pH Paper ID : **NA** | |
| Perservative : | | |

| | Check Points | Yes | No | N/A |
|---|---|---|---|---|
| 1. | **Cooler Seal present and signed.** | | X | |
| 2. | **Sample(s) in a cooler.** | X | | |
| 3. | **If yes, ice in cooler.** | X | | |
| 4. | **Sample(s) received with chain-of-custody.** | X | | |
| 5. | **C-O-C signed and dated.** | X | | |
| 6. | **Sample(s) received with signed sample custody seal.** | | X | |
| 7. | **Sample containers arrived intact. (If No comment)** | X | | |
| 8. | **Matrix:** Water ☐ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☑ | | | |
| 9. | **Samples were received in appropriate container(s)** | X | | |
| 10. | **Sample(s) were received with Proper preservative** | | | X |
| 11. | **All samples were tagged or labeled.** | X | | |
| 12. | **Sample ID labels match C-O-C ID's.** | X | | |
| 13. | **Bottle count on C-O-C matches bottles found.** | X | | |
| 14. | **Sample volume is sufficient for analyses requested.** | X | | |
| 15. | **Samples were received with in the hold time.** | X | | |
| 16. | **VOA vials completely filled.** | | | X |
| 17. | **Sample accepted.** | X | | |
| 18. | **Has client been contacted about sub-out** | | | X |

**Comments : Include actions taken to resolve discrepancies/problem:**

Samples came in already extracted. ~JE 02/17/23

Received by : Jedralin

Check in by/date : Jedralin / 02/17/2023

ab-s005-0321

# Laboratory Analysis Report

Total Number of Pages: 80

Job ID : 23022553

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

**Client Project Name :**

**Report To :**

Client Name: NWDLS
Attn: Monica O. Martin
Client Address: 130 S Trade Center Pkwy
City, State, Zip: Conroe, Texas, 77385

P.O.#.:
Sample Collected By:
Date Collected: 02/01/23 - 02/10/23

**A&B Labs has analyzed the following samples...**

| Client Sample ID | Matrix | A&B Sample ID |
|---|---|---|
| BGB2106-BLK1 | Water | 23022553.01 |
| BGB2106-MRL1 | Water | 23022553.02 |
| BGB2106-BS1 | Water | 23022553.03 |
| BGB2106-BSD1 | Water | 23022553.04 |
| BGB2106-MS1 | Water | 23022553.05 |
| BGB2106-MSD1 | Water | 23022553.06 |
| 23A3576-07 | Water | 23022553.07 |
| 23A3576-08 | Water | 23022553.08 |
| 23A3576-09 | Water | 23022553.09 |
| 23A3576-10 | Water | 23022553.10 |
| 23A3576-11 | Water | 23022553.11 |
| 23A1459-07 | Water | 23022553.12 |
| 23A1459-08 | Water | 23022553.13 |
| 23A1459-09 | Water | 23022553.14 |
| 23A1459-10 | Water | 23022553.15 |
| 23A1459-11 | Water | 23022553.16 |
| 23A1459-12 | Water | 23022553.17 |
| 23A1459-13 | Water | 23022553.18 |

Released By: Amanda Shute
Title: Project Manager
Date: 3/3/2023

This Laboratory is NELAP ( T104704213) accredited. Effective: 04/01/2022; Expires: 3/31/2023
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 02/24/2023 11:35

# Laboratory Analysis Report

Total Number of Pages: 80

Job ID : 23022553

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

**A&B Labs has analyzed the following samples...**

| Client Sample ID | Matrix | A&B Sample ID |
|---|---|---|
| 23A1459-14 | Water | 23022553.19 |
| 23A1459-51 | Water | 23022553.20 |
| 23A1459-52 | Water | 23022553.21 |
| 23A1459-64 | Water | 23022553.22 |
| 23A1459-65 | Water | 23022553.23 |
| BGA3905-BLK1 | Water | 23022553.24 |
| BGB0310-BLK1 | Water | 23022553.25 |
| BGB2204-BLK | Water | 23022553.26 |
| BGB2204-MRL1 | Water | 23022553.27 |
| BGB2204-BS1 | Water | 23022553.28 |
| BGB2204-BSD1 | Water | 23022553.29 |
| BGB2204-MS1 | Water | 23022553.30 |
| BGB2204-MSD1 | Water | 23022553.31 |
| 23B1097-01 | Water | 23022553.32 |
| 23B1047-02 | Water | 23022553.33 |
| 23B1047-05 | Water | 23022553.34 |
| 23B1047-06 | Water | 23022553.35 |
| 23B1331-02 | Water | 23022553.36 |
| 23B1331-04 | Water | 23022553.37 |
| 23A4079-02 | Water | 23022553.38 |
| 23A4079-03 | Water | 23022553.39 |
| 23A4079-04 | Water | 23022553.40 |
| 23A4079-05 | Water | 23022553.41 |
| 23A4079-06 | Water | 23022553.42 |
| 23A4079-07 | Water | 23022553.43 |
| 23A4079-08 | Water | 23022553.44 |

Released By: Amanda Shute

Title: Project Manager

Date: 3/3/2023

This Laboratory is NELAP ( T104704213) accredited. Effective: 04/01/2022; Expires: 3/31/2023

Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

# Laboratory Analysis Report

Total Number of Pages: 80

Job ID : 23022553

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

**A&B Labs has analyzed the following samples...**

| Client Sample ID | Matrix | A&B Sample ID |
|---|---|---|
| 23A4079-09 | Water | 23022553.45 |
| BGB1372-BLK | Water | 23022553.46 |
| | Water | 23022553.47 |

Released By: Amanda Shute

Title: Project Manager

Date: 3/3/2023

This Laboratory is NELAP ( T104704213) accredited. Effective: 04/01/2022; Expires: 3/31/2023

Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

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## Laboratory Report: Case Narrative

A&B Job ID: 23022553

Date: 03/03/23

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Date Received: 02/24/23

Collected By:

Extracts were provided and analyzed based on the attached bench sheets.

All samples were calculated using default 35mL:3mL

Please feel free to reach out to me if you have any questions regarding this report.

Released By: Amanda Shute

Title: Project Manager

# LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 23022553

Date: 3/3/2023

## General Term Definition

| | | | |
|---|---|---|---|
| Back-Wt | Back Weight | Post-Wt | Post Weight |
| BRL | Below Reporting Limit | ppm | parts per million |
| cfu | colony-forming units | Pre-Wt | Previous Weight |
| Conc. | Concentration | Q | Qualifier |
| D.F. | Dilution Factor | RegLimit | Regulatory Limit |
| Front-Wt | Front Weight | RPD | Relative Percent Difference |
| LCS | Laboratory Check Standard | RptLimit | Reporting Limit |
| LCSD | Laboratory Check Standard Duplicate | SDL | Sample Detection Limit |
| MS | Matrix Spike | surr | Surrogate |
| MSD | Matrix Spike Duplicate | T | Time |
| MW | Molecular Weight | TNTC | Too numerous to count |
| J | Estimation. Below calibration range but above MDL | MQL | Minimum Quantitation Limit |

## Qualifier Definition

| | |
|---|---|
| J | Estimation. Below calibration range but above MDL. |
| S1 | Surrogate recovery is above control limit. Results may be biased high. |
| S8 | Target compounds caused elevation of baseline. Surrogate may be biased high. |

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2106-BLK1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.01

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/24/23 21:20 | SKM |
| | >C12-C28 | 0.679 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/24/23 21:20 | SKM |
| | >C28-C35 | 1.06 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/24/23 21:20 | SKM |
| | Total C6-C35 | 1.74 | mg/L | 1.00 | 0.470 | | | | 02/24/23 21:20 | SKM |
| | 1-Chlorooctane(surr) | 115 | % | 1.00 | | 70-125 | | | 02/24/23 21:20 | SKM |
| | Chlorooctadecane(surr) | 106 | % | 1.00 | | 70-125 | | | 02/24/23 21:20 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2106-MRL1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.02

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/24/23 21:52 | SKM |
| | >C12-C28 | 0.749 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/24/23 21:52 | SKM |
| | >C28-C35 | 0.727 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/24/23 21:52 | SKM |
| | Total C6-C35 | 1.48 | mg/L | 1.00 | 0.470 | | | | 02/24/23 21:52 | SKM |
| | 1-Chlorooctane(surr) | 124 | % | 1.00 | | 70-125 | | | 02/24/23 21:52 | SKM |
| | Chlorooctadecane(surr) | 108 | % | 1.00 | | 70-125 | | | 02/24/23 21:52 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2106-BS1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.03

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 29.25 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/24/23 22:23 | SKM |
| | >C12-C28 | 20.48 | mg/L | 1.00 | 0.640 | 2.15 | | | 02/24/23 22:23 | SKM |
| | >C28-C35 | 0.496 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/24/23 22:23 | SKM |
| | Total C6-C35 | 50.22 | mg/L | 1.00 | 0.470 | | | | 02/24/23 22:23 | SKM |
| | 1-Chlorooctane(surr) | 111 | % | 1.00 | | 70-125 | | | 02/24/23 22:23 | SKM |
| | Chlorooctadecane(surr) | 104 | % | 1.00 | | 70-125 | | | 02/24/23 22:23 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2106-BSD1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.04

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 29.65 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/24/23 22:55 | SKM |
| | >C12-C28 | 19.97 | mg/L | 1.00 | 0.640 | 2.15 | | | 02/24/23 22:55 | SKM |
| | >C28-C35 | 0.531 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/24/23 22:55 | SKM |
| | Total C6-C35 | 50.15 | mg/L | 1.00 | 0.470 | | | | 02/24/23 22:55 | SKM |
| | 1-Chlorooctane(surr) | 116 | % | 1.00 | | 70-125 | | | 02/24/23 22:55 | SKM |
| | Chlorooctadecane(surr) | 97.5 | % | 1.00 | | 70-125 | | | 02/24/23 22:55 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2106-MS1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.05

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 29.52 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/24/23 23:27 | SKM |
| | >C12-C28 | 21.01 | mg/L | 1.00 | 0.640 | 2.15 | | | 02/24/23 23:27 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/24/23 23:27 | SKM |
| | Total C6-C35 | 50.53 | mg/L | 1.00 | 0.470 | | | | 02/24/23 23:27 | SKM |
| | 1-Chlorooctane(surr) | 117 | % | 1.00 | | 70-125 | | | 02/24/23 23:27 | SKM |
| | Chlorooctadecane(surr) | 103 | % | 1.00 | | 70-125 | | | 02/24/23 23:27 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2106-MSD1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.06

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 28.78 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/24/23 23:59 | SKM |
| | >C12-C28 | 21.35 | mg/L | 1.00 | 0.640 | 2.15 | | | 02/24/23 23:59 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/24/23 23:59 | SKM |
| | Total C6-C35 | 50.12 | mg/L | 1.00 | 0.470 | | | | 02/24/23 23:59 | SKM |
| | 1-Chlorooctane(surr) | 118 | % | 1.00 | | 70-125 | | | 02/24/23 23:59 | SKM |
| | Chlorooctadecane(surr) | 106 | % | 1.00 | | 70-125 | | | 02/24/23 23:59 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A3576-07
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.07
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 00:31 | SKM |
| | >C12-C28 | 0.666 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 00:31 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/25/23 00:31 | SKM |
| | Total C6-C35 | 0.666 | mg/L | 1.00 | 0.470 | | | | 02/25/23 00:31 | SKM |
| | 1-Chlorooctane(surr) | 105 | % | 1.00 | | 70-125 | | | 02/25/23 00:31 | SKM |
| | Chlorooctadecane(surr) | 95.3 | % | 1.00 | | 70-125 | | | 02/25/23 00:31 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A3576-08
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.08
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 01:02 | SKM |
| | >C12-C28 | 0.743 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 01:02 | SKM |
| | >C28-C35 | 0.814 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 01:02 | SKM |
| | Total C6-C35 | 1.56 | mg/L | 1.00 | 0.470 | | | | 02/25/23 01:02 | SKM |
| | 1-Chlorooctane(surr) | 108 | % | 1.00 | | 70-125 | | | 02/25/23 01:02 | SKM |
| | Chlorooctadecane(surr) | 84.5 | % | 1.00 | | 70-125 | | | 02/25/23 01:02 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

| | | | |
|---|---|---|---|
| Client Sample ID: | 23A3576-09 | Job Sample ID: | 23022553.09 |
| Date Collected: | 02/01/23 | Sample Matrix | Water |
| Time Collected: | 13:49 | % Moisture | |
| Other Information: | | | |

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 01:34 | SKM |
| | >C12-C28 | 1.37 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 01:34 | SKM |
| | >C28-C35 | 1.39 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 01:34 | SKM |
| | Total C6-C35 | 2.76 | mg/L | 1.00 | 0.470 | | | | 02/25/23 01:34 | SKM |
| | 1-Chlorooctane(surr) | 116 | % | 1.00 | | 70-125 | | | 02/25/23 01:34 | SKM |
| | Chlorooctadecane(surr) | 85.4 | % | 1.00 | | 70-125 | | | 02/25/23 01:34 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A3576-10
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.10
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 02:06 | SKM |
| | >C12-C28 | 0.742 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 02:06 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/25/23 02:06 | SKM |
| | Total C6-C35 | 0.742 | mg/L | 1.00 | 0.470 | | | | 02/25/23 02:06 | SKM |
| | 1-Chlorooctane(surr) | 101 | % | 1.00 | | 70-125 | | | 02/25/23 02:06 | SKM |
| | Chlorooctadecane(surr) | 77 | % | 1.00 | | 70-125 | | | 02/25/23 02:06 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A3576-11
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.11
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 03:41 | SKM |
| | >C12-C28 | < 0.64 | mg/L | 1.00 | 0.640 | 2.15 | | | 02/25/23 03:41 | SKM |
| | >C28-C35 | 0.604 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 03:41 | SKM |
| | Total C6-C35 | 0.604 | mg/L | 1.00 | 0.470 | | | | 02/25/23 03:41 | SKM |
| | 1-Chlorooctane(surr) | 103 | % | 1.00 | | 70-125 | | | 02/25/23 03:41 | SKM |
| | Chlorooctadecane(surr) | 80.3 | % | 1.00 | | 70-125 | | | 02/25/23 03:41 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-07
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.12
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 04:13 | SKM |
| | >C12-C28 | 0.867 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 04:13 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/25/23 04:13 | SKM |
| | Total C6-C35 | 0.867 | mg/L | 1.00 | 0.470 | | | | 02/25/23 04:13 | SKM |
| | 1-Chlorooctane(surr) | 106 | % | 1.00 | | 70-125 | | | 02/25/23 04:13 | SKM |
| | Chlorooctadecane(surr) | 79.9 | % | 1.00 | | 70-125 | | | 02/25/23 04:13 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-08
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.13
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 04:45 | SKM |
| | >C12-C28 | 0.713 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 04:45 | SKM |
| | >C28-C35 | 0.538 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 04:45 | SKM |
| | Total C6-C35 | 1.25 | mg/L | 1.00 | 0.470 | | | | 02/25/23 04:45 | SKM |
| | 1-Chlorooctane(surr) | 95.1 | % | 1.00 | | 70-125 | | | 02/25/23 04:45 | SKM |
| | Chlorooctadecane(surr) | 78.5 | % | 1.00 | | 70-125 | | | 02/25/23 04:45 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-09
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.14
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 0.672 | mg/L | 1.00 | 0.610 | 2.15 | | J | 02/25/23 05:16 | SKM |
| | >C12-C28 | 5.81 | mg/L | 1.00 | 0.640 | 2.15 | | | 02/25/23 05:16 | SKM |
| | >C28-C35 | 2.46 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/25/23 05:16 | SKM |
| | Total C6-C35 | 8.94 | mg/L | 1.00 | 0.470 | | | | 02/25/23 05:16 | SKM |
| | 1-Chlorooctane(surr) | 101 | % | 1.00 | | 70-125 | | | 02/25/23 05:16 | SKM |
| | Chlorooctadecane(surr) | 84.3 | % | 1.00 | | 70-125 | | | 02/25/23 05:16 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-10
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.15
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 05:48 | SKM |
| | >C12-C28 | 0.903 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 05:48 | SKM |
| | >C28-C35 | 0.83 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 05:48 | SKM |
| | Total C6-C35 | 1.73 | mg/L | 1.00 | 0.470 | | | | 02/25/23 05:48 | SKM |
| | 1-Chlorooctane(surr) | 102 | % | 1.00 | | 70-125 | | | 02/25/23 05:48 | SKM |
| | Chlorooctadecane(surr) | 83.3 | % | 1.00 | | 70-125 | | | 02/25/23 05:48 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-11
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.16
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 06:20 | SKM |
| | >C12-C28 | 0.654 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 06:20 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/25/23 06:20 | SKM |
| | Total C6-C35 | 0.654 | mg/L | 1.00 | 0.470 | | | | 02/25/23 06:20 | SKM |
| | 1-Chlorooctane(surr) | 98.5 | % | 1.00 | | 70-125 | | | 02/25/23 06:20 | SKM |
| | Chlorooctadecane(surr) | 81 | % | 1.00 | | 70-125 | | | 02/25/23 06:20 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-12
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.17
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 06:51 | SKM |
| | >C12-C28 | 0.649 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 06:51 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/25/23 06:51 | SKM |
| | Total C6-C35 | 0.649 | mg/L | 1.00 | 0.470 | | | | 02/25/23 06:51 | SKM |
| | 1-Chlorooctane(surr) | 93.8 | % | 1.00 | | 70-125 | | | 02/25/23 06:51 | SKM |
| | Chlorooctadecane(surr) | 74.1 | % | 1.00 | | 70-125 | | | 02/25/23 06:51 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-13
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.18
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 07:21 | SKM |
| | >C12-C28 | 0.825 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 07:21 | SKM |
| | >C28-C35 | 0.757 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 07:21 | SKM |
| | Total C6-C35 | 1.58 | mg/L | 1.00 | 0.470 | | | | 02/25/23 07:21 | SKM |
| | 1-Chlorooctane(surr) | 97.3 | % | 1.00 | | 70-125 | | | 02/25/23 07:21 | SKM |
| | Chlorooctadecane(surr) | 79.4 | % | 1.00 | | 70-125 | | | 02/25/23 07:21 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-14
Date Collected: 02/03/23
Time Collected: 09:05
Other Information:

Job Sample ID: 23022553.19
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 07:53 | SKM |
| | >C12-C28 | 0.676 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 07:53 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/25/23 07:53 | SKM |
| | Total C6-C35 | 0.676 | mg/L | 1.00 | 0.470 | | | | 02/25/23 07:53 | SKM |
| | 1-Chlorooctane(surr) | 103 | % | 1.00 | | 70-125 | | | 02/25/23 07:53 | SKM |
| | Chlorooctadecane(surr) | 79.1 | % | 1.00 | | 70-125 | | | 02/25/23 07:53 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-51
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.20
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 08:23 | SKM |
| | >C12-C28 | 0.721 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 08:23 | SKM |
| | >C28-C35 | 0.684 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 08:23 | SKM |
| | Total C6-C35 | 1.41 | mg/L | 1.00 | 0.470 | | | | 02/25/23 08:23 | SKM |
| | 1-Chlorooctane(surr) | 95.1 | % | 1.00 | | 70-125 | | | 02/25/23 08:23 | SKM |
| | Chlorooctadecane(surr) | 78.4 | % | 1.00 | | 70-125 | | | 02/25/23 08:23 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-52
Date Collected: 02/01/23
Time Collected: 13:49
Other Information:

Job Sample ID: 23022553.21
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 08:54 | SKM |
| | >C12-C28 | < 0.64 | mg/L | 1.00 | 0.640 | 2.15 | | | 02/25/23 08:54 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/25/23 08:54 | SKM |
| | Total C6-C35 | <0.47 | mg/L | 1.00 | 0.470 | | | | 02/25/23 08:54 | SKM |
| | 1-Chlorooctane(surr) | 136 | % | 1.00 | | 70-125 | | S8 | 02/25/23 08:54 | SKM |
| | Chlorooctadecane(surr) | 73.1 | % | 1.00 | | 70-125 | | | 02/25/23 08:54 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-64
Date Collected: 02/03/23
Time Collected: 09:05
Other Information:

Job Sample ID: 23022553.22
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 09:25 | SKM |
| | >C12-C28 | 1.23 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 09:25 | SKM |
| | >C28-C35 | 0.662 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 09:25 | SKM |
| | Total C6-C35 | 1.90 | mg/L | 1.00 | 0.470 | | | | 02/25/23 09:25 | SKM |
| | 1-Chlorooctane(surr) | 159 | % | 1.00 | | 70-125 | | S8 | 02/25/23 09:25 | SKM |
| | Chlorooctadecane(surr) | 127 | % | 1.00 | | 70-125 | | S8 | 02/25/23 09:25 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A1459-65
Date Collected: 02/03/23
Time Collected: 09:05
Other Information:

Job Sample ID: 23022553.23
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 09:56 | SKM |
| | >C12-C28 | 0.778 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 09:56 | SKM |
| | >C28-C35 | 0.519 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 09:56 | SKM |
| | Total C6-C35 | 1.30 | mg/L | 1.00 | 0.470 | | | | 02/25/23 09:56 | SKM |
| | 1-Chlorooctane(surr) | 155 | % | 1.00 | | 70-125 | | S8 | 02/25/23 09:56 | SKM |
| | Chlorooctadecane(surr) | 121 | % | 1.00 | | 70-125 | | | 02/25/23 09:56 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGA3905-BLK1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.24

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 10:27 | SKM |
| | >C12-C28 | 0.749 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 10:27 | SKM |
| | >C28-C35 | 0.6 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 10:27 | SKM |
| | Total C6-C35 | 1.35 | mg/L | 1.00 | 0.470 | | | | 02/25/23 10:27 | SKM |
| | 1-Chlorooctane(surr) | 161 | % | 1.00 | | 70-125 | | S8 | 02/25/23 10:27 | SKM |
| | Chlorooctadecane(surr) | 128 | % | 1.00 | | 70-125 | | S8 | 02/25/23 10:27 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB0310-BLK1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.25

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 10:59 | SKM |
| | >C12-C28 | 0.782 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 10:59 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/25/23 10:59 | SKM |
| | Total C6-C35 | 0.782 | mg/L | 1.00 | 0.470 | | | | 02/25/23 10:59 | SKM |
| | 1-Chlorooctane(surr) | 154 | % | 1.00 | | 70-125 | | S8 | 02/25/23 10:59 | SKM |
| | Chlorooctadecane(surr) | 121 | % | 1.00 | | 70-125 | | | 02/25/23 10:59 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2204-BLK

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.26

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 11:30 | SKM |
| | >C12-C28 | 0.93 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 11:30 | SKM |
| | >C28-C35 | 0.86 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 11:30 | SKM |
| | Total C6-C35 | 1.79 | mg/L | 1.00 | 0.470 | | | | 02/25/23 11:30 | SKM |
| | 1-Chlorooctane(surr) | 160 | % | 1.00 | | 70-125 | | S8 | 02/25/23 11:30 | SKM |
| | Chlorooctadecane(surr) | 122 | % | 1.00 | | 70-125 | | | 02/25/23 11:30 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2204-MRL1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.27

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 12:02 | SKM |
| | >C12-C28 | 0.923 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 12:02 | SKM |
| | >C28-C35 | 0.934 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 12:02 | SKM |
| | Total C6-C35 | 1.86 | mg/L | 1.00 | 0.470 | | | | 02/25/23 12:02 | SKM |
| | 1-Chlorooctane(surr) | 157 | % | 1.00 | | 70-125 | | S8 | 02/25/23 12:02 | SKM |
| | Chlorooctadecane(surr) | 130 | % | 1.00 | | 70-125 | | S8 | 02/25/23 12:02 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2204-BS1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.28

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 27.24 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 12:34 | SKM |
| | >C12-C28 | 20.46 | mg/L | 1.00 | 0.640 | 2.15 | | | 02/25/23 12:34 | SKM |
| | >C28-C35 | 0.769 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 12:34 | SKM |
| | Total C6-C35 | 48.47 | mg/L | 1.00 | 0.470 | | | | 02/25/23 12:34 | SKM |
| | 1-Chlorooctane(surr) | 158 | % | 1.00 | | 70-125 | | S8 | 02/25/23 12:34 | SKM |
| | Chlorooctadecane(surr) | 124 | % | 1.00 | | 70-125 | | | 02/25/23 12:34 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2204-BSD1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.29

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 27.07 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 13:06 | SKM |
| | >C12-C28 | 21.99 | mg/L | 1.00 | 0.640 | 2.15 | | | 02/25/23 13:06 | SKM |
| | >C28-C35 | 0.568 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 13:06 | SKM |
| | Total C6-C35 | 49.62 | mg/L | 1.00 | 0.470 | | | | 02/25/23 13:06 | SKM |
| | 1-Chlorooctane(surr) | 148 | % | 1.00 | | 70-125 | | S8 | 02/25/23 13:06 | SKM |
| | Chlorooctadecane(surr) | 120 | % | 1.00 | | 70-125 | | | 02/25/23 13:06 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2204-MS1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.30

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 28.73 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 13:37 | SKM |
| | >C12-C28 | 23.64 | mg/L | 1.00 | 0.640 | 2.15 | | | 02/25/23 13:37 | SKM |
| | >C28-C35 | 0.591 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 13:37 | SKM |
| | Total C6-C35 | 52.96 | mg/L | 1.00 | 0.470 | | | | 02/25/23 13:37 | SKM |
| | 1-Chlorooctane(surr) | 156 | % | 1.00 | | 70-125 | | S8 | 02/25/23 13:37 | SKM |
| | Chlorooctadecane(surr) | 123 | % | 1.00 | | 70-125 | | | 02/25/23 13:37 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB2204-MSD1

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.31

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | 31.27 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 15:13 | SKM |
| | >C12-C28 | 24.89 | mg/L | 1.00 | 0.640 | 2.15 | | | 02/25/23 15:13 | SKM |
| | >C28-C35 | 0.8 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 15:13 | SKM |
| | Total C6-C35 | 56.96 | mg/L | 1.00 | 0.470 | | | | 02/25/23 15:13 | SKM |
| | 1-Chlorooctane(surr) | 167 | % | 1.00 | | 70-125 | | S8 | 02/25/23 15:13 | SKM |
| | Chlorooctadecane(surr) | 128 | % | 1.00 | | 70-125 | | S8 | 02/25/23 15:13 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23B1097-01
Date Collected: 02/02/23
Time Collected: 11:00
Other Information:

Job Sample ID: 23022553.32
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 15:45 | SKM |
| | >C12-C28 | 0.824 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 15:45 | SKM |
| | >C28-C35 | 0.568 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 15:45 | SKM |
| | Total C6-C35 | 1.39 | mg/L | 1.00 | 0.470 | | | | 02/25/23 15:45 | SKM |
| | 1-Chlorooctane(surr) | 146 | % | 1.00 | | 70-125 | | S8 | 02/25/23 15:45 | SKM |
| | Chlorooctadecane(surr) | 106 | % | 1.00 | | 70-125 | | | 02/25/23 15:45 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23B1047-02
Date Collected: 02/09/23
Time Collected: 11:40
Other Information:

Job Sample ID: 23022553.33
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 16:17 | SKM |
| | >C12-C28 | 0.722 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 16:17 | SKM |
| | >C28-C35 | 0.488 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 16:17 | SKM |
| | Total C6-C35 | 1.21 | mg/L | 1.00 | 0.470 | | | | 02/25/23 16:17 | SKM |
| | 1-Chlorooctane(surr) | 141 | % | 1.00 | | 70-125 | | S8 | 02/25/23 16:17 | SKM |
| | Chlorooctadecane(surr) | 105 | % | 1.00 | | 70-125 | | | 02/25/23 16:17 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23B1047-05
Date Collected: 02/09/23
Time Collected: 11:00
Other Information:

Job Sample ID: 23022553.34
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 16:52 | SKM |
| | >C12-C28 | 0.729 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 16:52 | SKM |
| | >C28-C35 | 0.625 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 16:52 | SKM |
| | Total C6-C35 | 1.35 | mg/L | 1.00 | 0.470 | | | | 02/25/23 16:52 | SKM |
| | 1-Chlorooctane(surr) | 160 | % | 1.00 | | 70-125 | | S8 | 02/25/23 16:52 | SKM |
| | Chlorooctadecane(surr) | 118 | % | 1.00 | | 70-125 | | | 02/25/23 16:52 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23B1047-06
Date Collected: 02/09/23
Time Collected: 11:25
Other Information:

Job Sample ID: 23022553.35
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 17:25 | SKM |
| | >C12-C28 | 0.919 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 17:25 | SKM |
| | >C28-C35 | 0.79 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 17:25 | SKM |
| | Total C6-C35 | 1.71 | mg/L | 1.00 | 0.470 | | | | 02/25/23 17:25 | SKM |
| | 1-Chlorooctane(surr) | 164 | % | 1.00 | | 70-125 | | S8 | 02/25/23 17:25 | SKM |
| | Chlorooctadecane(surr) | 125 | % | 1.00 | | 70-125 | | S8 | 02/25/23 17:25 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23B1331-02
Date Collected: 02/09/23
Time Collected: 12:10
Other Information:

Job Sample ID: 23022553.36
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 17:58 | SKM |
| | >C12-C28 | 1.01 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 17:58 | SKM |
| | >C28-C35 | 0.948 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 17:58 | SKM |
| | Total C6-C35 | 1.96 | mg/L | 1.00 | 0.470 | | | | 02/25/23 17:58 | SKM |
| | 1-Chlorooctane(surr) | 160 | % | 1.00 | | 70-125 | | S8 | 02/25/23 17:58 | SKM |
| | Chlorooctadecane(surr) | 132 | % | 1.00 | | 70-125 | | S8 | 02/25/23 17:58 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23B1331-04
Date Collected: 02/09/23
Time Collected: 12:25
Other Information:

Job Sample ID: 23022553.37
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 18:31 | SKM |
| | >C12-C28 | 1.02 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 18:31 | SKM |
| | >C28-C35 | 0.868 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 18:31 | SKM |
| | Total C6-C35 | 1.89 | mg/L | 1.00 | 0.470 | | | | 02/25/23 18:31 | SKM |
| | 1-Chlorooctane(surr) | 164 | % | 1.00 | | 70-125 | | S8 | 02/25/23 18:31 | SKM |
| | Chlorooctadecane(surr) | 124 | % | 1.00 | | 70-125 | | | 02/25/23 18:31 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A4079-02
Date Collected: 02/07/23
Time Collected: 13:02
Other Information:

Job Sample ID: 23022553.38
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 19:05 | SKM |
| | >C12-C28 | 1.10 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 19:05 | SKM |
| | >C28-C35 | 1.21 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 19:05 | SKM |
| | Total C6-C35 | 2.31 | mg/L | 1.00 | 0.470 | | | | 02/25/23 19:05 | SKM |
| | 1-Chlorooctane(surr) | 158 | % | 1.00 | | 70-125 | | S8 | 02/25/23 19:05 | SKM |
| | Chlorooctadecane(surr) | 123 | % | 1.00 | | 70-125 | | | 02/25/23 19:05 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A4079-03
Date Collected: 02/07/23
Time Collected: 12:47
Other Information:

Job Sample ID: 23022553.39
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 19:37 | SKM |
| | >C12-C28 | 0.998 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 19:37 | SKM |
| | >C28-C35 | 1.08 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 19:37 | SKM |
| | Total C6-C35 | 2.07 | mg/L | 1.00 | 0.470 | | | | 02/25/23 19:37 | SKM |
| | 1-Chlorooctane(surr) | 158 | % | 1.00 | | 70-125 | | S8 | 02/25/23 19:37 | SKM |
| | Chlorooctadecane(surr) | 113 | % | 1.00 | | 70-125 | | | 02/25/23 19:37 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A4079-04
Date Collected: 02/07/23
Time Collected: 12:57
Other Information:

Job Sample ID: 23022553.40
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 21:26 | SKM |
| | >C12-C28 | 1.28 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 21:26 | SKM |
| | >C28-C35 | 1.26 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 21:26 | SKM |
| | Total C6-C35 | 2.55 | mg/L | 1.00 | 0.470 | | | | 02/25/23 21:26 | SKM |
| | 1-Chlorooctane(surr) | 166 | % | 1.00 | | 70-125 | | S8 | 02/25/23 21:26 | SKM |
| | Chlorooctadecane(surr) | 135 | % | 1.00 | | 70-125 | | S8 | 02/25/23 21:26 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A4079-05
Date Collected: 02/07/23
Time Collected: 13:15
Other Information:

Job Sample ID: 23022553.41
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 21:59 | SKM |
| | >C12-C28 | 1.02 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 21:59 | SKM |
| | >C28-C35 | 1.10 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 21:59 | SKM |
| | Total C6-C35 | 2.11 | mg/L | 1.00 | 0.470 | | | | 02/25/23 21:59 | SKM |
| | 1-Chlorooctane(surr) | 158 | % | 1.00 | | 70-125 | | S8 | 02/25/23 21:59 | SKM |
| | Chlorooctadecane(surr) | 81.1 | % | 1.00 | | 70-125 | | | 02/25/23 21:59 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A4079-06
Date Collected: 02/10/23
Time Collected: 12:24
Other Information:

Job Sample ID: 23022553.42
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 22:31 | SKM |
| | >C12-C28 | 1.02 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 22:31 | SKM |
| | >C28-C35 | 1.10 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 22:31 | SKM |
| | Total C6-C35 | 2.12 | mg/L | 1.00 | 0.470 | | | | 02/25/23 22:31 | SKM |
| | 1-Chlorooctane(surr) | 158 | % | 1.00 | | 70-125 | | S8 | 02/25/23 22:31 | SKM |
| | Chlorooctadecane(surr) | 115 | % | 1.00 | | 70-125 | | | 02/25/23 22:31 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A4079-07
Date Collected: 02/10/23
Time Collected: 12:24
Other Information:

Job Sample ID: 23022553.43
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 23:03 | SKM |
| | >C12-C28 | 1.06 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 23:03 | SKM |
| | >C28-C35 | 1.01 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/25/23 23:03 | SKM |
| | Total C6-C35 | 2.07 | mg/L | 1.00 | 0.470 | | | | 02/25/23 23:03 | SKM |
| | 1-Chlorooctane(surr) | 156 | % | 1.00 | | 70-125 | | S8 | 02/25/23 23:03 | SKM |
| | Chlorooctadecane(surr) | 117 | % | 1.00 | | 70-125 | | | 02/25/23 23:03 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A4079-08
Date Collected: 02/10/23
Time Collected: 12:24
Other Information:

Job Sample ID: 23022553.44
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/25/23 23:35 | SKM |
| | >C12-C28 | 0.664 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/25/23 23:35 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/25/23 23:35 | SKM |
| | Total C6-C35 | 0.664 | mg/L | 1.00 | 0.470 | | | | 02/25/23 23:35 | SKM |
| | 1-Chlorooctane(surr) | 156 | % | 1.00 | | 70-125 | | S8 | 02/25/23 23:35 | SKM |
| | Chlorooctadecane(surr) | 116 | % | 1.00 | | 70-125 | | | 02/25/23 23:35 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: 23A4079-09
Date Collected: 02/10/23
Time Collected: 12:24
Other Information:

Job Sample ID: 23022553.45
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/26/23 00:07 | SKM |
| | >C12-C28 | 1.22 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/26/23 00:07 | SKM |
| | >C28-C35 | 1.13 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/26/23 00:07 | SKM |
| | Total C6-C35 | 2.36 | mg/L | 1.00 | 0.470 | | | | 02/26/23 00:07 | SKM |
| | 1-Chlorooctane(surr) | 168 | % | 1.00 | | 70-125 | | S8 | 02/26/23 00:07 | SKM |
| | Chlorooctadecane(surr) | 129 | % | 1.00 | | 70-125 | | S8 | 02/26/23 00:07 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID: BGB1372-BLK

Date Collected:

Time Collected:

Other Information:

Job Sample ID: 23022553.46

Sample Matrix Water

% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/26/23 00:39 | SKM |
| | >C12-C28 | 0.896 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/26/23 00:39 | SKM |
| | >C28-C35 | < 0.47 | mg/L | 1.00 | 0.470 | 2.15 | | | 02/26/23 00:39 | SKM |
| | Total C6-C35 | 0.896 | mg/L | 1.00 | 0.470 | | | | 02/26/23 00:39 | SKM |
| | 1-Chlorooctane(surr) | 157 | % | 1.00 | | 70-125 | | S8 | 02/26/23 00:39 | SKM |
| | Chlorooctadecane(surr) | 121 | % | 1.00 | | 70-125 | | | 02/26/23 00:39 | SKM |

ab-q212-0321

# LABORATORY TEST RESULTS

Job ID : 23022553

Date 3/3/2023

Client Name: NWDLS

Attn: Monica O. Martin

Project Name:

Client Sample ID:
Date Collected:
Time Collected:
Other Information:

Job Sample ID: 23022553.47
Sample Matrix Water
% Moisture

| Test Method | Parameter/Test Description | Result | Units | DF | SDL | MQL | Reg Limit | Q | Date Time | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| TX 1005 | Total Petroleum Hydrocarbons | | | | | | | | | |
| | C6-C12 | < 0.61 | mg/L | 1.00 | 0.610 | 2.15 | | | 02/26/23 01:10 | SKM |
| | >C12-C28 | 1.11 | mg/L | 1.00 | 0.640 | 2.15 | | J | 02/26/23 01:10 | SKM |
| | >C28-C35 | 0.911 | mg/L | 1.00 | 0.470 | 2.15 | | J | 02/26/23 01:10 | SKM |
| | Total C6-C35 | 2.02 | mg/L | 1.00 | 0.470 | | | | 02/26/23 01:10 | SKM |
| | 1-Chlorooctane(surr) | 155 | % | 1.00 | | 70-125 | | S8 | 02/26/23 01:10 | SKM |
| | Chlorooctadecane(surr) | 118 | % | 1.00 | | 70-125 | | | 02/26/23 01:10 | SKM |

ab-q212-0321

# QUALITY CONTROL CERTIFICATE

**Job ID :** 23022553 **Date :** 3/3/2023

**Analysis :** Total Petroleum Hydrocarbons **Method :** TX 1005 **Reporting Units :** mg/L

**QC Batch ID :** Qb23022506 **Created Date :** 02/24/23 **Created By :** Skannan

**Samples in This QC Batch :** 23022553.01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

**Sample Preparation :** PB23022457 **Prep Method :** TX 1005 **Prep Date :** 02/24/23 12:00 **Prep By :** Skannan

**QC Type: Method Blank**

| Parameter | CAS # | Result | Units | D.F. | MQL | MDL | | Qual |
|---|---|---|---|---|---|---|---|---|
| C6-C12 | TPH-1005-1 | < MDL | mg/L | 1.00 | 2.15 | 0.61 | | |
| >C12-C28 | TPH-1005-2 | < MDL | mg/L | 1.00 | 2.15 | 0.64 | | |
| >C28-C35 | TPH-1005-4 | < MDL | mg/L | 1.00 | 2.15 | 0.47 | | |
| Total C6-C35 | | < MDL | mg/L | 1.00 | ---- | 0.47 | | |
| Chlorooctadecane(surr) | 3386-33-2 | 108 | % | 1.00 | | | | |
| 1-Chlorooctane(surr) | 111-85-3 | 144 | % | 1.00 | | | | S1 |

**QC Type: LCS and LCSD**

| Parameter | LCS Spk Added | LCS Result | LCS % Rec | LCSD Spk Added | LCSD Result | LCSD % Rec | RPD | RPD CtrlLimit | %Recovery CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | 43 | 46.4 | 108 | 43 | 48.0 | 112 | 3.4 | 20 | 75-125 | |
| >C12-C28 | 43 | 45.6 | 106 | 43 | 46.1 | 107 | 1.1 | 20 | 75-125 | |
| >C28-C35 | 43 | 37.1 | 86.4 | 43 | 37.4 | 86.9 | 0.7 | 20 | 75-125 | |

# QUALITY CONTROL CERTIFICATE

**Job ID :** 23022553 **Date :** 3/3/2023

**Analysis :** Total Petroleum Hydrocarbons **Method :** TX 1005 **Reporting Units :** mg/L

**QC Batch ID :** Qb23022507 **Created Date :** 02/24/23 **Created By :** Skannan

**Samples in This QC Batch :** 23022553.21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40

**Sample Preparation :** PB23022458 **Prep Method :** TX 1005 **Prep Date :** 02/24/23 12:00 **Prep By :** Skannan

**QC Type: Method Blank**

| Parameter | CAS # | Result | Units | D.F. | MQL | MDL | | Qual |
|---|---|---|---|---|---|---|---|---|
| C6-C12 | TPH-1005-1 | < MDL | mg/L | 1.00 | 2.15 | 0.61 | | |
| >C12-C28 | TPH-1005-2 | < MDL | mg/L | 1.00 | 2.15 | 0.64 | | |
| >C28-C35 | TPH-1005-4 | < MDL | mg/L | 1.00 | 2.15 | 0.47 | | |
| Total C6-C35 | | < MDL | mg/L | 1.00 | ---- | 0.47 | | |
| Chlorooctadecane(surr) | 3386-33-2 | 110 | % | 1.00 | | | | |
| 1-Chlorooctane(surr) | 111-85-3 | 127 | % | 1.00 | | | | S1 |

**QC Type: LCS and LCSD**

| Parameter | LCS Spk Added | LCS Result | LCS % Rec | LCSD Spk Added | LCSD Result | LCSD % Rec | RPD | RPD CtrlLimit | %Recovery CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | 43 | 47.7 | 111 | 43 | 45.5 | 106 | 4.6 | 20 | 75-125 | |
| >C12-C28 | 43 | 46.4 | 108 | 43 | 44.9 | 104 | 3.3 | 20 | 75-125 | |
| >C28-C35 | 43 | 38.3 | 89.1 | 43 | 37.8 | 87.9 | 1.3 | 20 | 75-125 | |

# QUALITY CONTROL CERTIFICATE

**Job ID :** 23022553 **Date :** 3/3/2023

**Analysis :** Total Petroleum Hydrocarbons **Method :** TX 1005 **Reporting Units :** mg/L

**QC Batch ID :** Qb23022508 **Created Date :** 02/24/23 **Created By :** Skannan

**Samples in This QC Batch :** 23022553.41,42,43,44,45,46,47

**Sample Preparation :** PB23022459 **Prep Method :** TX 1005 **Prep Date :** 02/24/23 12:00 **Prep By :** Skannan

**QC Type: Method Blank**

| Parameter | CAS # | Result | Units | D.F. | MQL | MDL | | Qual |
|---|---|---|---|---|---|---|---|---|
| C6-C12 | TPH-1005-1 | < MDL | mg/L | 1.00 | 2.15 | 0.61 | | |
| >C12-C28 | TPH-1005-2 | < MDL | mg/L | 1.00 | 2.15 | 0.64 | | |
| >C28-C35 | TPH-1005-4 | < MDL | mg/L | 1.00 | 2.15 | 0.47 | | |
| Total C6-C35 | | < MDL | mg/L | 1.00 | ---- | 0.47 | | |
| Chlorooctadecane(surr) | 3386-33-2 | 108 | % | 1.00 | | | | |
| 1-Chlorooctane(surr) | 111-85-3 | 128 | % | 1.00 | | | | S1 |

**QC Type: LCS and LCSD**

| Parameter | LCS Spk Added | LCS Result | LCS % Rec | LCSD Spk Added | LCSD Result | LCSD % Rec | RPD | RPD CtrlLimit | %Recovery CtrlLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 | 43 | 44.6 | 104 | 43 | 44.4 | 103 | 0.4 | 20 | 75-125 | |
| >C12-C28 | 43 | 47.1 | 110 | 43 | 45.6 | 106 | 3.2 | 20 | 75-125 | |
| >C28-C35 | 43 | 37.5 | 87.2 | 43 | 37.6 | 87.3 | 0.3 | 20 | 75-125 | |

| | Vial ID | Sample ID | Re-extraction | Amt. Extracted (g / mL) | Spk # | Initial pH | Final Vol. (mL)[P1] | TX1006 | Fraction #1 initial vol.(mL) | Fraction #1 final vol.(mL)[P1] | Fraction #2 initial vol.(mL) | Fraction #2 final vol.(mL) P2 | Comments/Dilutions/ Reagent Change/Other Clnups, etc. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01A | | BGB2106-BLK1 | | 32.23 | S1 | 6 | 3.0 | | | | | | |
| 02A | | -MRL1 2 | | 31.63 | S2 | | | | | | | | |
| 03A | | -BS1 3 | | 32.86 | S3 | | | | | | | | |
| 04A | | -BSD1 4 | | 30.80 | | | | | | | | | |
| 05A | | -MS1 5 | | 32.29 | | | | | | | | | |
| 06A | | -MSD1 6 | | 32.53 | | | | | | | | | |
| 07A | | 23A3576-07 7 | | 32.28 | | | | | | | | | |
| 08A | | -08 8 | | 32.60 | | | | | | | | | |
| 09A | | -09 9 | | 32.58 | | | | | | | | | |
| 10A | | -10 10 | | 32.20 | | | | | | | | | |
| 11A | | -11 11 | | 32.30 | | | | | | | | | |
| 12A | | 23A1459-07 12 | | 33.61 | | | | | | | | | |
| 13A | | -08 13 | | 34.51 | | | | | | | | | |
| 14A | | -09 14 | | 33.59 | | | | | | | | | |
| 15A | | -10 15 | | 33.16 | | | | | | | | | |
| 16A | | -11 16 | | 33.20 | | | | | | | | | |
| 17A | | -12 17 | | 33.40 | | | | | | | | | |
| 18A | | -13 18 | | 34.40 | | | | | | | | | |
| 19A | | -14 19 | | 33.08 | | | | | | | | | |
| 20A | | -51 20 | | 33.26 | | | | | | | | | |
| 21A | | -52 21 | | 34.21 | | | | | | | | | |
| 22A | | -64 22 | | 33.41 | | | | | | | | | |
| 23A | | -65 23 | | 34.20 | | | | | | | | | |
| 24A | | BGA3905-BLK1 24 | | 33.19 | | | | | | | | | BGB2106-LBK1 |
| 25A | | BGB0310-BLK1 25 | | 31.83 | | | | | | | | | -LBK2 |

Batch ID: TPH-021423-01 **Analyte Group (circle):** (TX1005 TPH) / TX1006 TPH / Screen Only / Other:_____

QT 02.23.23

Job ID:23022553

02/24/2023 NWDLS AMS

| Prep Doc: | OP117 | Batch ID: | TPH- 021423-01 | Centrifuge: | 44323P-7 | 2nd Review: | CJT 02.23.23 |
|---|---|---|---|---|---|---|---|
| Extraction Analyst/Date: ① | CJT 02.14.23 | Extraction Start Time: | 1037 | Hand Shaken or 071401 | | Scale ID: | 833717165245 |

**Matrix:** (Aq) / Solid / BT / Saline / CW / Non-Aq / DW

**Analyte Group:** (TX1005 TPH) / TX1006 TPH / Screen Only / Other:

**Extraction Technique:** (MLLE) / MLSE / Other:

| Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) | Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) |
|---|---|---|---|---|---|
| S1 2212742 | .100 | 10,000 | S3 2205642 | .100 | 20,000 |
| S2 2301827 | .003 | 2,000 | S4 | | |

**Organic Extractions**

Comments: BGB2106

①IE CJT 02.14.23→(Aq.)

| Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID |
|---|---|---|---|---|---|---|---|---|---|
| R1 n-Pentane | 2302226 | R3 Acetone | 2213777 | R5 pH paper | 2103151 | R7 | | R9 | |
| R2 Sand | — | R4 MeOH | 2215144 | R6 DI-Water | DI-Water-01 | R8 | | R10 | |

| Post Extraction Concentration[P1] | | | |
|---|---|---|---|
| Analyst/Date: | | or (N/A) | |
| NEVAP Temp: | °C | Temp. ID | |
| $N_2$ Blowdown | | | |
| Final Solvent: n-Pentane / Other: | | | |

Note: Continued on next page.

| | Vial ID | Sample ID | Re-extraction | Amt. Extracted (g / mL) | Spk # | Initial pH | Final Vol. (mL)[P1] | TX1006 | Fraction #1 initial vol.(mL) | Fraction #1 final vol.(mL)[P1] | Fraction #2 initial vol.(mL) | Fraction #2 final vol.(mL) P2 | Comments/Dilutions/ Reagent Change/Other Clnups, etc. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26A | | BGB2204-BLK | | 32.32 | S1 | 6 | 3.0 | | | | | | |
| 27A | | -MRL[2] | | 32.42 | S2 | | | | | | | | |
| 28A | | -BSI[3] | | 31.89 | S3 | | | | | | | | |
| 29A | | -BSDI[4] | | 32.47 | | ↓ | | | | | | | |
| 30A | | -MSI[5] | | 32.84 | | 1 | | | | | | | |
| 31A | | -MSDI[6] | | 32.81 | ↓ | | | | | | | | |
| 32A | | 23B1097-01 [7] | | 33.01 | | | | | | | | | |
| 33A | | 23B1047-02 [8] | | 32.62 | | | | | | | | | |
| 34A | | -05 [9] | | 33.66 | | | | | | | | | |
| 35A | | -06 [10] | | 33.18 | | | | | | | | | |
| 36A | | 23B1331-02 [11] | | 33.36 | | | | | | | | | |
| 37A | | -04 [12] | | 33.22 | | | | | | | | | |
| 38A | | 23A4079-02 [13] | | 33.12 | | | | | | | | | |
| 39A | | -03 [14] | | 33.04 | | | | | | | | | |
| 40A | | -04 [15] | | 33.00 | | | | | | | | | |
| 41A | | -05 [16] | | 32.80 | | | | | | | | | |
| 42A | | -06 [17] | | 33.46 | | | | | | | | | |
| 43A | | -07 [18] | | 33.03 | | | | | | | | | |
| 44A | | -08 [19] | | 32.98 | | | | | | | | | |
| 45A | | -09 [20] | | 33.27 | | | | | | | | | |
| 46A | | BGB1372-BLK [21] | | 32.92 | ↓ | ↓ | ↓ | | | | | | BGB2204-LBK1 |
| 47A | | [22] | | | | | | | | | | | |
| | | [23] | | | | | | | | | | | |
| | | [24] | | | | | | | | | | | |
| | | [25] | | | | | | | | | | | CJT 02.23.23 |

Batch ID: *TPH-* 021523-01 **Analyte Group (circle):** (TX1005 TPH) / TX1006 TPH / Screen Only / Other:_____

| Prep Doc: | OP117 | Batch ID: | *TPH-* 021523-01 | Centrifuge: | 44323P-7 | 2nd Review: | CJT 02.23.23 | **Organic Extractions** |
|---|---|---|---|---|---|---|---|---|
| Extraction Analyst/Date: | CJT 02/15/23 | Extraction Start Time: | 1147 | Hand Shaken or 071401 | | Scale ID: | 833776245 | Comments: BGB2204 |

**Matrix:** (Aq) / Solid / BT / Saline / CW / Non-Aq / DW **Analyte Group:** (TX1005 TPH) / TX1006 TPH / Screen Only / Other: **Extraction Technique:** (MLLE) / MLSE / Other:

| Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) | Spike ID | Spike Amt.(mL) | Spike Conc. (mcg/mL) |
|---|---|---|---|---|---|
| S1 2212742 | .100 | 10,000 | S3 2205642 | .100 | 20,000 |
| S2 2301827 | .003 | 2,000 | S4 | | |

| Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID | Reagents | ID |
|---|---|---|---|---|---|---|---|---|---|
| R1 n-Pentane | 23022Z6 | R3 Acetone | 2213777 | R5 pH paper | 2103151 | R7 | | R9 | |
| R2 Sand | — | R4 MeOH | 2215144 | R6 DI-Water | DI-Water-01 | R8 | | R10 | |

| Post Extraction Concentration[P1] | | | |
|---|---|---|---|
| Analyst/Date: | | or (N/A) | |
| NEVAP Temp: | °C | Temp. ID | |
| $N_2$ Blowdown | | | |
| Final Solvent: n-Pentane / Other: | | | |

Note: Continued on next page.

NWDLS
North Water District Laboratory Services Inc

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

## Work Order: 23A3576

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A3576-02** ***Marine Water Sampled: 01/26/2023 08:30*** | | | |
| TOC-415.1 | 02/23/2023 | 02/23/2023 08:30 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 | 02/23/2023 | 02/09/2023 08:30 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A3576-04** ***Marine Water Sampled: 01/26/2023 09:00*** | | | |
| TOC-415.1 | 02/23/2023 | 02/23/2023 09:00 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 | 02/23/2023 | 02/09/2023 09:00 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A3576-06** ***Marine Water Sampled: 01/26/2023 08:45*** | | | |
| TOC-415.1 | 02/23/2023 | 02/23/2023 08:45 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 | 02/23/2023 | 02/09/2023 08:45 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

## Work Order: 23A3576 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A3576-07** ***Elutriate*** ***Sampled: 01/25/2023 10:15*** | | | |
| [redacted] | [redacted] | | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) TPH-1005-ELUT | 02/23/2023 | 02/08/2023 10:15 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr 07A | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A3576-08** ***Elutriate*** ***Sampled: 01/26/2023 10:35*** | | | |
| [redacted] | [redacted] | | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) TPH-1005-ELUT | 02/23/2023 | 02/09/2023 10:35 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr 08A | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A3576-09** ***Elutriate*** ***Sampled: 01/25/2023 10:30*** | | | |
| [redacted] | [redacted] | | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) TPH-1005-ELUT | 02/23/2023 | 02/08/2023 10:30 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr 09A | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A3576-10** ***Elutriate*** ***Sampled: 01/26/2023 10:15*** | | | |
| [redacted] | [redacted] | | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) TPH-1005-ELUT | 02/23/2023 | 02/09/2023 10:15 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr 10A | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

## Work Order: 23A3576 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A3576-11** ***Elutriate*** ***Sampled: 01/25/2023 13:45*** | | | |
| [redacted] | [redacted] | [redacted] | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT | 02/23/2023 | 02/08/2023 13:45 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A3576-16** ***Sediment*** ***Sampled: 01/25/2023 10:15*** | | | |
| TPH-1005 | 02/23/2023 | 02/08/2023 10:15 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A3576-23** ***Sediment*** ***Sampled: 01/26/2023 10:35*** | | | |
| TPH-1005 | 02/23/2023 | 02/09/2023 10:35 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A3576-28** ***Sediment*** ***Sampled: 01/25/2023 10:30*** | | | |
| TPH-1005 | 02/23/2023 | 02/08/2023 10:30 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A3576-35** ***Sediment*** ***Sampled: 01/26/2023 10:15*** | | | |
| TPH-1005 | 02/23/2023 | 02/09/2023 10:15 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A3576-36** ***Sediment*** ***Sampled: 01/25/2023 13:45*** | | | |
| TPH-1005 | 02/23/2023 | 02/08/2023 13:45 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

NWDLS
North Water District
Laboratory Services Inc.

# SUBCONTRACT ORDER
(Continued)

| Released By | Date | Received By | Date |
|---|---|---|---|
| Andrew Rodriguez | 2-24-23 | [signature] | 02/24/23 H35 |

3 6°C
IRY

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

## Work Order: 23A1459

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-02** | ***Marine Water*** | ***Sampled: 01/25/2023 09:30*** | |
| TOC-415.1 | 03/06/2023 | 02/22/2023 09:30 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 | 03/06/2023 | 02/08/2023 09:30 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-03** | ***Marine Water*** | ***Sampled: 01/25/2023 12:50*** | |
| TOC-415.1 | 03/06/2023 | 02/22/2023 12:50 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 | 03/06/2023 | 02/08/2023 12:50 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-04** | ***Marine Water*** | ***Sampled: 01/25/2023 14:50*** | |
| TOC-415.1 | 03/06/2023 | 02/22/2023 14:50 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 | 03/06/2023 | 02/08/2023 14:50 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/24/2023 11:25 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| [redacted] | 03/06/2023 | 02/10/2023 11:25 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-07** ***Elutriate*** ***Sampled: 01/16/2023 14:20*** | | | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT 12A | 03/06/2023 | 01/30/2023 14:20 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-08** ***Elutriate*** ***Sampled: 01/16/2023 17:20*** | | | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT 13A | 03/06/2023 | 01/30/2023 17:20 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-09** ***Elutriate*** ***Sampled: 01/19/2023 15:20*** | | | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT 14A | 03/06/2023 | 02/02/2023 15:20 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-10** | ***Elutriate*** | ***Sampled: 01/19/2023 17:00*** | |
| [redacted] | [redacted] | | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT 15A | 03/06/2023 | 02/02/2023 17:00 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-11** | ***Elutriate*** | ***Sampled: 01/18/2023 09:40*** | |
| [redacted] | [redacted] | | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT 16A | 03/06/2023 | 02/01/2023 09:40 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-12** | ***Elutriate*** | ***Sampled: 01/18/2023 11:15*** | |
| [redacted] | [redacted] | | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT 17A | 03/06/2023 | 02/01/2023 11:15 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-13** | ***Elutriate*** | ***Sampled: 01/16/2023 16:37*** | |
| [redacted] | [redacted] | | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT 18A | 03/06/2023 | 01/30/2023 16:37 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-14** *Elutriate* *Sampled: 01/18/2023 14:10* | | | |
| [redacted] | [redacted] | [redacted] | [redacted] |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT | 03/06/2023 | 02/01/2023 14:10 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-16** *Sediment* *Sampled: 01/16/2023 14:20* | | | |
| TPH-1005 | 03/06/2023 | 01/30/2023 14:20 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-17** *Sediment* *Sampled: 01/17/2023 09:40* | | | |
| TPH-1005 | 03/06/2023 | 01/31/2023 09:40 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-18** *Sediment* *Sampled: 01/17/2023 14:40* | | | |
| TPH-1005 | 03/06/2023 | 01/31/2023 14:40 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-20** *Sediment* *Sampled: 01/16/2023 17:20* | | | |
| TPH-1005 | 03/06/2023 | 01/30/2023 17:20 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-21** *Sediment* *Sampled: 01/17/2023 11:30* | | | |
| TPH-1005 | 03/06/2023 | 01/31/2023 11:30 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

19A

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-51** ***Elutriate*** ***Sampled: 01/23/2023 13:05*** | | | |
| [redacted] | [redacted] | | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT | 03/06/2023 | 02/06/2023 13:05 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr 20A | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-52** ***Elutriate*** ***Sampled: 01/21/2023 10:00*** | | | |
| [redacted] | [redacted] | | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT | 03/06/2023 | 02/04/2023 10:00 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* 1-Chlorooctadecane-surr 21A | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-54** ***Sediment*** ***Sampled: 01/25/2023 08:00*** | | | |
| TPH-1005 | 03/06/2023 | 02/08/2023 08:00 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-55** ***Sediment*** ***Sampled: 01/23/2023 16:00*** | | | |
| TPH-1005 | 03/06/2023 | 02/06/2023 16:00 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-56** ***Sediment*** ***Sampled: 01/23/2023 13:05*** | | | |
| TPH-1005 | 03/06/2023 | 02/06/2023 13:05 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-58** | ***Sediment*** | ***Sampled: 01/21/2023 10:00*** | |
| TPH-1005 | 03/06/2023 | 02/04/2023 10:00 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-59** | ***Sediment*** | ***Sampled: 01/21/2023 15:10*** | |
| TPH-1005 | 03/06/2023 | 02/04/2023 15:10 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-60** | ***Sediment*** | ***Sampled: 01/21/2023 11:45*** | |
| TPH-1005 | 03/06/2023 | 02/04/2023 11:45 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-62** | ***Marine Water*** | ***Sampled: 01/27/2023 13:10*** | |
| TOC-415.1 | 03/06/2023 | 02/24/2023 13:10 | |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| TPH-1005 | 03/06/2023 | 02/10/2023 13:10 | |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-64** | ***Elutriate*** | ***Sampled: 01/19/2023 14:00*** | |
| [redacted] | [redacted] | [redacted] | [redacted] |
| *Analyte(s):* | | | |
| Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT | 03/06/2023 | 02/02/2023 14:00 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

22A

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# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|

**Sample ID: 23A1459-65** ***Elutriate Sampled: 01/21/2023 11:45***

[redacted]

*Analyte(s):*
Total Organic Carbon (TOC)
TPH-1005-ELUT 23A 03/06/2023 02/04/2023 11:45 Leached: 02/03/2023 09:05
*Analyte(s):*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35
*Containers Supplied:*

[redacted]

*Analyte(s):*
1-Chlorooctadecane-surr 1-Chlorooctane-surr Total Petroleum Hydrocarbons (TPH), C6-C35
*Containers Supplied:*

Andrew Rodriguez — Released By
2-24-23 — Date
[signature] — Received By
02/24/23 1135 — Date
3.6°C
IRM

NWDLS
North Water District Laboratory Services, Inc.

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Deena Higginbotham

**Subcontracted Laboratory:**

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

## Work Order: 23B1097

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23B1097-01** *Waste Water* *Sampled: 02/02/2023 11:00* | | | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Phenolics | | | |
| TPH-1005 32A | 02/16/2023 | 02/16/2023 11:00 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

Andrew Rodriguez — Released By — 2-24-23 — Date

Received By — 02/24/23 1135 — Date

3.6°C IR4

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# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

## Work Order: 23B1047

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23B1047-02** *Marine Water* *Sampled: 02/09/2023 11:40* | | | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 33A | 02/23/2023 | 02/23/2023 11:40 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23B1047-05** *Marine Water* *Sampled: 02/09/2023 11:00* | | | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 34A | 02/23/2023 | 02/23/2023 11:00 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23B1047-06** *Marine Water* *Sampled: 02/09/2023 11:25* | | | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 35A | 02/23/2023 | 02/23/2023 11:25 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

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# SUBCONTRACT ORDER
(Continued)

## Work Order: 23B1047 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23B1047-08** ***Elutriate*** ***Sampled: 02/09/2023 09:37*** | | | |
| TOC-5310 C-ELUT | 02/23/2023 | 03/09/2023 09:37 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23B1047-09** ***Elutriate*** ***Sampled: 02/09/2023 10:06*** | | | |
| TOC-5310 C-ELUT | 02/23/2023 | 03/09/2023 10:06 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23B1047-10** ***Elutriate*** ***Sampled: 02/09/2023 10:36*** | | | |
| TOC-5310 C-ELUT | 02/23/2023 | 03/09/2023 10:36 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23B1047-11** ***Elutriate*** ***Sampled: 02/09/2023 10:45*** | | | |
| TOC-5310 C-ELUT | 02/23/2023 | 03/09/2023 10:45 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

Andrew Rodriguez — Released By
2-24-23 — Date
Received By
02/24/23 1135 — Date
3.6°C
IR

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North Water District Laboratory Services, Inc

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

## Work Order: 23B1331

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23B1331-02** *Marine Water* *Sampled: 02/09/2023 12:10* | | | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 36A | 02/23/2023 | 02/23/2023 12:10 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23B1331-04** *Marine Water* *Sampled: 02/09/2023 12:25* | | | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 37A | 02/23/2023 | 02/23/2023 12:25 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| [redacted] | | | |
| TOC-5310 C-ELUT | 02/23/2023 | 03/09/2023 12:48 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |
| [redacted] | | | |
| TOC-5310 C-ELUT | 02/23/2023 | 03/09/2023 13:17 | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| *Containers Supplied:* | | | |

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# SUBCONTRACT ORDER
(Continued)

Andrew Rodriguez — Released By
2-24-23 — Date
[signature] — Received By
02/24/23 1135 — Date
36°C
IR4

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

A & B Labs
10100 East Freeway, Suite 100
Houston, TX 77029
Phone: (713) 453-6060
Fax: (713) 453-6091

## Work Order: 23A4079

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A4079-02** | ***Marine Water*** | ***Sampled: 02/07/2023 13:02*** | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 38A | 03/10/2023 | 02/21/2023 13:02 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A4079-03** | ***Marine Water*** | ***Sampled: 02/07/2023 12:47*** | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 39A | 03/10/2023 | 02/21/2023 12:47 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A4079-04** | ***Marine Water*** | ***Sampled: 02/07/2023 12:57*** | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 40A | 03/10/2023 | 02/21/2023 12:57 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

## Work Order: 23A4079 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A4079-05** | ***Marine Water*** | ***Sampled: 02/07/2023 13:15*** | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005 | 03/10/2023 | 02/21/2023 13:15 | |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A4079-06** | ***Elutriate*** | ***Sampled: 02/07/2023 10:07*** | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT | 03/10/2023 | 02/21/2023 10:07 | Leached: 02/10/2023 12:24 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A4079-07** | ***Elutriate*** | ***Sampled: 02/07/2023 10:07*** | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT | 03/10/2023 | 02/21/2023 10:07 | Leached: 02/10/2023 12:24 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A4079-08** | ***Elutriate*** | ***Sampled: 02/07/2023 10:57*** | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT | 03/10/2023 | 02/21/2023 10:57 | Leached: 02/10/2023 12:24 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |

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North Water District Laboratory Services, Inc.

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A4079 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A4079-09** ***Elutriate*** ***Sampled: 02/07/2023 10:37*** | | | |
| [redacted] | [redacted] | | |
| *Analyte(s):* Total Organic Carbon (TOC) | | | |
| TPH-1005-ELUT 45A | 03/10/2023 | 02/21/2023 10:37 | Leached: 02/10/2023 12:24 |
| *Analyte(s):* 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | Total Petroleum Hydrocarbons (TPH), C6-C35 |
| *Containers Supplied:* | | | |
| **Sample ID: 23A4079-10** ***Sediment*** ***Sampled: 02/07/2023 11:57*** | | | |
| VOA-8260-MedS | 03/10/2023 | 02/21/2023 11:57 | |
| *Analyte(s):* 1,2-Dichloroethane-d4-surr<br>Ethylbenzene<br>Tetrachloroethylene (Perchloroethylene)<br>Xylene (total) | 4-Bromofluorobenzene-surr<br>m+p-xylene<br>Toluene-d8-surr | | Dibromofluoromethane-surr<br>o-Xylene<br>Trichloroethene (Trichloroethylene) |
| *Containers Supplied:* | | | |
| **Sample ID: 23A4079-11** ***Sediment*** ***Sampled: 02/07/2023 11:29*** | | | |
| VOA-8260-MedS | 03/10/2023 | 02/21/2023 11:29 | |
| *Analyte(s):* 1,2-Dichloroethane-d4-surr<br>Ethylbenzene<br>Tetrachloroethylene (Perchloroethylene)<br>Xylene (total) | 4-Bromofluorobenzene-surr<br>m+p-xylene<br>Toluene-d8-surr | | Dibromofluoromethane-surr<br>o-Xylene<br>Trichloroethene (Trichloroethylene) |
| *Containers Supplied:* | | | |
| **Sample ID: 23A4079-12** ***Sediment*** ***Sampled: 02/07/2023 09:23*** | | | |
| VOA-8260-MedS | 03/10/2023 | 02/21/2023 09:23 | |
| *Analyte(s):* 1,2-Dichloroethane-d4-surr<br>Ethylbenzene<br>Tetrachloroethylene (Perchloroethylene)<br>Xylene (total) | 4-Bromofluorobenzene-surr<br>m+p-xylene<br>Toluene-d8-surr | | Dibromofluoromethane-surr<br>o-Xylene<br>Trichloroethene (Trichloroethylene) |
| *Containers Supplied:* | | | |

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# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A4079 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|

**Sample ID: 23A4079-13** *Sediment* *Sampled: 02/07/2023 10:57*

VOA-8260-MedS 03/10/2023 02/21/2023 10:57

*Analyte(s):*

| | | |
|---|---|---|
| 1,2-Dichloroethane-d4-surr | 4-Bromofluorobenzene-surr | Dibromofluoromethane-surr |
| Ethylbenzene | m+p-xylene | o-Xylene |
| Tetrachloroethylene (Perchloroethylene) | Toluene-d8-surr | Trichloroethene (Trichloroethylene) |
| Xylene (total) | | |

*Containers Supplied:*

**Sample ID: 23A4079-14** *Sediment* *Sampled: 02/07/2023 10:07*

VOA-8260-MedS 03/10/2023 02/21/2023 10:07

*Analyte(s):*

| | | |
|---|---|---|
| 1,2-Dichloroethane-d4-surr | 4-Bromofluorobenzene-surr | Dibromofluoromethane-surr |
| Ethylbenzene | m+p-xylene | o-Xylene |
| Tetrachloroethylene (Perchloroethylene) | Toluene-d8-surr | Trichloroethene (Trichloroethylene) |
| Xylene (total) | | |

*Containers Supplied:*

**Sample ID: 23A4079-15** *Sediment* *Sampled: 02/07/2023 10:37*

VOA-8260-MedS 03/10/2023 02/21/2023 10:37

*Analyte(s):*

| | | |
|---|---|---|
| 1,2-Dichloroethane-d4-surr | 4-Bromofluorobenzene-surr | Dibromofluoromethane-surr |
| Ethylbenzene | m+p-xylene | o-Xylene |
| Tetrachloroethylene (Perchloroethylene) | Toluene-d8-surr | Trichloroethene (Trichloroethylene) |
| Xylene (total) | | |

*Containers Supplied:*

Andrew Rodriguez — Released By
2-24-23 — Date
Received By
02/24/23 1155 — Date
3.6°C IR4

# Sample Condition Checklist

| | | |
|---|---|---|
| A&B JobID : **23022553** | Date Received : **02/24/2023** | Time Received : **11:35AM** |
| Client Name : **NWDLS** | | |
| Temperature : **3.6°C** | Sample pH : **NA** | |
| Thermometer ID : **IR4** | pH Paper ID : **NA** | |
| Perservative : | | |

| | Check Points | Yes | No | N/A |
|---|---|---|---|---|
| 1. | **Cooler Seal present and signed.** | | X | |
| 2. | **Sample(s) in a cooler.** | X | | |
| 3. | **If yes, ice in cooler.** | X | | |
| 4. | **Sample(s) received with chain-of-custody.** | X | | |
| 5. | **C-O-C signed and dated.** | X | | |
| 6. | **Sample(s) received with signed sample custody seal.** | | X | |
| 7. | **Sample containers arrived intact. (If No comment)** | X | | |
| 8. | **Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐ | | | |
| 9. | **Samples were received in appropriate container(s)** | X | | |
| 10. | **Sample(s) were received with Proper preservative** | | | X |
| 11. | **All samples were tagged or labeled.** | X | | |
| 12. | **Sample ID labels match C-O-C ID's.** | X | | |
| 13. | **Bottle count on C-O-C matches bottles found.** | | X | |
| 14. | **Sample volume is sufficient for analyses requested.** | X | | |
| 15. | **Samples were received with in the hold time.** | X | | |
| 16. | **VOA vials completely filled.** | | | X |
| 17. | **Sample accepted.** | X | | |
| 18. | **Has client been contacted about sub-out** | | | X |

**Comments : Include actions taken to resolve discrepancies/problem:**

Received an extra vial. AM 02/24/23

Received by : Jedralin

Check in by/date : EValdez / 02/24/2023

ab-s005-0321

February 16, 2023 Service Request No:K2301449

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 23A1459**

Dear Monica,

Enclosed are the results of the sample(s) submitted to our laboratory February 03, 2023
For your reference, these analyses have been assigned our service request number **K2301449.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Sample Matrix:** Elutriate, Liquid

**Service Request:** K2301449
**Date Received:** 02/03/2023

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Nine elutriate, liquid samples were received for analysis at ALS Environmental on 02/03/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**General Chemistry:**

No significant anomalies were noted with this analysis.

Approved by _____ Date 02/16/2023

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2301449
**Project:** 23A1459

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2301449-001 | 23A1459-07 | 2/1/2023 | 1000 |
| K2301449-002 | 23A1459-08 | 2/1/2023 | 1000 |
| K2301449-003 | 23A1459-09 | 2/1/2023 | 1000 |
| K2301449-004 | 23A1459-10 | 2/1/2023 | 1000 |
| K2301449-005 | 23A1459-11 | 2/1/2023 | 1000 |
| K2301449-006 | 23A1459-12 | 2/1/2023 | 1000 |
| K2301449-007 | 23A1459-13 | 2/1/2023 | 1000 |
| K2301449-008 | 23A1459-51 | 2/1/2023 | 1000 |
| K2301449-009 | 23A1459-52 | 2/1/2023 | 1000 |

NWDLS
North Water District Laboratory Services, Inc.

K2301449

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

ALS Kelso
1317 South 13th Avenue
Kelso, WA 98626
Phone: (360) 577-7222
Fax:

## Work Order: 23A1459

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] | ***Marine Water Sampled: 01/25/2023 11:20*** | | |
| [redacted] | 03/06/2023 | 02/08/2023 11:20 | |
| *Containers Supplied:* | | | |
| [redacted] | ***Marine Water Sampled: 01/25/2023 14:17*** | | |
| [redacted] | 03/06/2023 | 02/08/2023 14:17 | |
| *Containers Supplied:* | | | |
| [redacted] | ***Marine Water Sampled: 01/25/2023 15:45*** | | |
| [redacted] | 03/06/2023 | 02/08/2023 15:45 | |
| [redacted] | 03/06/2023 | 02/01/2023 15:45 | |
| | Monobutyltin | | Tributyltin |
| | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] | ***Marine Water Sampled: 01/27/2023 12:00*** | | |
| [redacted] | 03/06/2023 | 02/10/2023 12:00 | |
| [redacted] | 03/06/2023 | 02/03/2023 12:00 | |
| | Monobutyltin | | Tributyltin |
| | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-07** ***Elutriate*** ***Sampled: 01/16/2023 14:20*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 01/30/2023 14:20 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-08** ***Elutriate*** ***Sampled: 01/16/2023 17:20*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 01/30/2023 17:20 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-09** ***Elutriate*** ***Sampled: 01/19/2023 15:20*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/02/2023 15:20 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-10** ***Elutriate*** ***Sampled: 01/19/2023 17:00*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/02/2023 17:00 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-11** ***Elutriate*** ***Sampled: 01/18/2023 09:40*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/01/2023 09:40 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-12** ***Elutriate*** ***Sampled: 01/18/2023 11:15*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/01/2023 11:15 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-13** ***Elutriate*** ***Sampled: 01/16/2023 16:37*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 01/30/2023 16:37 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| [redacted] ***Sediment*** ***Sampled: 01/16/2023 14:20*** | | | |
| [redacted] | 03/06/2023 | 01/30/2023 14:20 | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] ***Sediment*** ***Sampled: 01/17/2023 09:40*** | | | |
| [redacted] | 03/06/2023 | 01/31/2023 09:40 | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] ***Sediment*** ***Sampled: 01/17/2023 14:40*** | | | |
| [redacted] | 03/06/2023 | 01/31/2023 14:40 | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] ***Sediment*** ***Sampled: 01/16/2023 17:20*** | | | |
| [redacted] | 03/06/2023 | 01/30/2023 17:20 | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] ***Sediment*** ***Sampled: 01/17/2023 11:30*** | | | |
| [redacted] | 03/06/2023 | 01/31/2023 11:30 | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] | ***Sediment Sampled: 01/20/2023 09:30*** | | |
| [redacted] | 03/06/2023 | 02/03/2023 09:30 | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] | ***Marine Water Sampled: 01/27/2023 16:07*** | | |
| [redacted] | 03/06/2023 | 02/10/2023 16:07 | |
| [redacted] | 03/06/2023 | 02/03/2023 16:07 | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] | ***Marine Water Sampled: 01/27/2023 15:20*** | | |
| [redacted] | 03/06/2023 | 02/10/2023 15:20 | |
| [redacted] | 03/06/2023 | 02/03/2023 15:20 | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-51** | ***Elutriate Sampled: 01/23/2023 13:05*** | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/06/2023 13:05 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-52** | ***Elutriate Sampled: 01/21/2023 10:00*** | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/04/2023 10:00 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |

NWDLS
North Water District Laboratory Services, Inc.

K2301449

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] *Sediment* ***Sampled: 01/21/2023 16:45*** | | | |
| [redacted] | 03/06/2023 | 02/04/2023 16:45 | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] ***Marine Water Sampled: 01/27/2023 13:26*** | | | |
| [redacted] | 03/06/2023 | 02/10/2023 13:26 | |
| [redacted] | 03/06/2023 | 02/03/2023 13:26 | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

SM — Released By — 02/02/23 — Date — UPS — Received By — 02/02/23 — Date

ALS 2/3/23 1010

PM LR

# Cooler Receipt and Preservation Form

lient NWDLS Service Request K23 01449

eceived: 2/3/23 Opened: 2/3/23 By: VM Unloaded: 2/3/23 By: VM

Samples were received via? (USPS) Fed Ex UPS DHL PDX Courier Hand Delivered

Samples were received in: (circle) (Cooler) Box Envelope Other _____ NA

Were custody seals on coolers? NA Y (N) If yes, how many and where? _____

If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp indicate with "X" | PM Notified If out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| | 0.9 | IR01 | | | | 1Z12W40V0194058120 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column above:

If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":

. Were samples received within the method specified temperature ranges? NA (Y) N

If no, were they received on ice and same day as collected? If not, notate the cooler # above and notify the PM. (NA) Y N

f applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____

. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N

. Were samples received in good condition (unbroken) NA (Y) N

. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N

0. Did all sample labels and tags agree with custody papers? NA (Y) N

1. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N

2. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* (NA) Y N

3. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N

4. Was C12/Res negative? (NA) Y N

5. Were samples received within the method specified time limit? If not, notate the error below and notify the PM (NA) Y N

6. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? (NA) Y N Underfilled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: DIC not Pb due to limited volume

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301449
**Project:** 23A1459/

**Sample Name:** 23A1459-07 **Date Collected:** 02/1/23
**Lab Code:** K2301449-001 **Date Received:** 02/3/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-08 **Date Collected:** 02/1/23
**Lab Code:** K2301449-002 **Date Received:** 02/3/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-09 **Date Collected:** 02/1/23
**Lab Code:** K2301449-003 **Date Received:** 02/3/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-10 **Date Collected:** 02/1/23
**Lab Code:** K2301449-004 **Date Received:** 02/3/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-11 **Date Collected:** 02/1/23
**Lab Code:** K2301449-005 **Date Received:** 02/3/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

Analyst Summary report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301449
**Project:** 23A1459/

**Sample Name:** 23A1459-12 **Date Collected:** 02/1/23
**Lab Code:** K2301449-006 **Date Received:** 02/3/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-13 **Date Collected:** 02/1/23
**Lab Code:** K2301449-007 **Date Received:** 02/3/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-51 **Date Collected:** 02/1/23
**Lab Code:** K2301449-008 **Date Received:** 02/3/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-52 **Date Collected:** 02/1/23
**Lab Code:** K2301449-009 **Date Received:** 02/3/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

# Sample Results

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# General Chemistry

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 10:00 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/03/23 10:10 |
| **Sample Name:** | 23A1459-07 | **Basis:** | NA |
| **Lab Code:** | K2301449-001 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/09/23 16:15 | 02/09/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 10:00 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/03/23 10:10 |
| **Sample Name:** | 23A1459-08 | **Basis:** | NA |
| **Lab Code:** | K2301449-002 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/09/23 16:15 | 02/09/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 10:00 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/03/23 10:10 |
| **Sample Name:** | 23A1459-09 | **Basis:** | NA |
| **Lab Code:** | K2301449-003 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/09/23 16:15 | 02/09/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 10:00 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/03/23 10:10 |
| **Sample Name:** | 23A1459-10 | **Basis:** | NA |
| **Lab Code:** | K2301449-004 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/14/23 16:53 | 02/14/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 10:00 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/03/23 10:10 |
| **Sample Name:** | 23A1459-11 | **Basis:** | NA |
| **Lab Code:** | K2301449-005 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/14/23 16:53 | 02/14/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 10:00 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/03/23 10:10 |
| **Sample Name:** | 23A1459-12 | **Basis:** | NA |
| **Lab Code:** | K2301449-006 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/14/23 16:53 | 02/14/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 10:00 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/03/23 10:10 |
| **Sample Name:** | 23A1459-13 | **Basis:** | NA |
| **Lab Code:** | K2301449-007 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/14/23 16:53 | 02/14/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 10:00 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/03/23 10:10 |
| **Sample Name:** | 23A1459-51 | **Basis:** | NA |
| **Lab Code:** | K2301449-008 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/04/23 15:04 | 02/04/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 10:00 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/03/23 10:10 |
| **Sample Name:** | 23A1459-52 | **Basis:** | NA |
| **Lab Code:** | K2301449-009 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/04/23 15:04 | 02/04/23 | |

# QC Summary Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
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www.alsglobal.com

# General Chemistry

**ALS Environmental—Kelso Laboratory**
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www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2301449-MB1 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/04/23 15:04 | 02/04/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2301449-MB2 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/09/23 16:15 | 02/09/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2301449-MB3 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/14/23 16:53 | 02/14/23 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Analyzed:** | 02/09/23 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | 02/09/23 |

**Lab Control Sample Summary**
**Cyanide, Total**

| | | | |
|---|---|---|---|
| **Analysis Method:** | SM 4500-CN- E | **Units:** | mg/L |
| **Prep Method:** | SM 4500-CN-C | **Basis:** | NA |
| | | **Analysis Lot:** | 794191 |

| Sample Name | Lab Code | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Lab Control Sample | K2301449-LCS3 | 0.073 | 0.075 | 98 | 84-115 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Analyzed:** | 02/04/23 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | 02/04/23 |

## Duplicate Lab Control Sample Summary
## General Chemistry Parameters

| | | | |
|---|---|---|---|
| **Analysis Method:** | SM 4500-CN- E | **Units:** | mg/L |
| **Prep Method:** | SM 4500-CN-C | **Basis:** | NA |
| | | **Analysis Lot:** | 793766 |

| | Lab Control Sample K2301449-LCS1 | | | Duplicate Lab Control Sample K2301449-DLCS1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Cyanide, Total | 0.076 | 0.075 | 101 | 0.079 | 0.075 | 106 | 84-115 | 4 | 20 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301449 |
| **Project:** | 23A1459 | **Date Analyzed:** | 02/14/23 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | 02/14/23 |

## Duplicate Lab Control Sample Summary
## General Chemistry Parameters

| | | | |
|---|---|---|---|
| **Analysis Method:** | SM 4500-CN- E | **Units:** | mg/L |
| **Prep Method:** | SM 4500-CN-C | **Basis:** | NA |
| | | **Analysis Lot:** | 794621 |

| | Lab Control Sample K2301449-LCS2 | | | Duplicate Lab Control Sample K2301449-DLCS2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Cyanide, Total | 0.0758 | 0.075 | 101 | 0.0727 | 0.075 | 97 | 84-115 | 4 | 20 |

March 10, 2023 Service Request No:K2301665

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 23A1459**

Dear Monica,

Enclosed are the results of the sample(s) submitted to our laboratory February 08, 2023
For your reference, these analyses have been assigned our service request number **K2301665.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**



Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
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www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Sample Matrix:** Sediment, Elutriate, Liquid

**Service Request:** K2301665
**Date Received:** 02/08/2023

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Four sediment, elutriate, liquid samples were received for analysis at ALS Environmental on 02/08/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Semivoa GC:**

Method ALS SOP, 02/25/2023: Sample K2301665-004 was received past holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data was flagged to indicate the holding time violation.

**General Chemistry:**

No significant anomalies were noted with this analysis.

Approved by _____ Date 03/10/2023

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 23A1459-66 | | | Lab ID: K2301665-004 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 77.3 | | | | Percent | 160.3 Modified |

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2301665
**Project:** 23A1459

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2301665-001 | 23A1459-14 | 2/3/2023 | 0905 |
| K2301665-002 | 23A1459-64 | 2/3/2023 | 0905 |
| K2301665-003 | 23A1459-65 | 2/3/2023 | 0905 |
| K2301665-004 | 23A1459-66 | 1/21/2023 | 0000 |

K2301665

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

ALS Kelso
1317 South 13th Avenue
Kelso, WA 98626
Phone: (360) 577-7222
Fax:

## Work Order: 23A1459

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-02** ***Marine Water Sampled: 01/25/2023 11:20*** | | | |
| Sub_CN T-4500 | 03/06/2023 | 02/08/2023 11:20 | |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-03** ***Marine Water Sampled: 01/25/2023 14:17*** | | | |
| Sub_CN T-4500 | 03/06/2023 | 02/08/2023 14:17 | |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-04** ***Marine Water Sampled: 01/25/2023 15:45*** | | | |
| Sub_CN T-4500 | 03/06/2023 | 02/08/2023 15:45 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 03/06/2023 | 02/01/2023 15:45 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-05** ***Marine Water Sampled: 01/27/2023 12:00*** | | | |
| Sub_CN T-4500 | 03/06/2023 | 02/10/2023 12:00 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 03/06/2023 | 02/03/2023 12:00 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] | | | |
| [redacted] | 03/06/2023 | 01/30/2023 16:37 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-14** ***Elutriate Sampled: 01/23/2023 00:00*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/06/2023 00:00 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 01/30/2023 14:20 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 01/31/2023 09:40 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 01/31/2023 14:40 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 01/30/2023 17:20 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/04/2023 16:45 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/10/2023 13:26 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| [redacted] | 03/06/2023 | 02/03/2023 13:26 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-64** ***Elutriate Sampled: 01/20/2023 09:30*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/03/2023 09:30 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-65** ***Elutriate Sampled: 01/21/2023 16:45*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/04/2023 16:45 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-66** ***Sediment Sampled: 01/21/2023 00:00*** | | | |
| Sub_Organotins-TX1001 | 03/06/2023 | 02/04/2023 00:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

Released By — 2/7/23 Date — UPS Received By — 2/7/23 Date

Rec by NReeder 2/8/23 1050

PM [illegible]

# Cooler Receipt and Preservation Form

ient NWDLS Service Request K23 [illegible]

eceived: 2/8/23 Opened: 2/8/23 By: NP Unloaded: 2/8/23 By: NP

Samples were received via? *USPS* *Fed Ex* (*UPS*) *DHL* *PDX* *Courier* *Hand Delivered*

Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other* _____ *NA*

Were custody seals on coolers? NA Y (N) If yes, how many and where? _____

If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp indicate with "X" | PM Notified if out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| | 1.2 | IR07 | | | | 1Z 12W 40V 01 9893 4314 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column above:

If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":

Were samples received within the method specified temperature ranges? NA (Y) N

If no, were they received on ice and same day as collected? If not, notate the cooler # above and notify the PM. (NA) Y N

applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

Packing material: *Inserts* (*Baggies*) (*Bubble Wrap*) *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____

Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N

Were samples received in good condition (unbroken) NA (Y) N

Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N

0. Did all sample labels and tags agree with custody papers? NA (Y) N

1. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N

2. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA (Y) N

3. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N

4. Was C12/Res negative? (NA) Y N

5. Were samples received within the method specified time limit? If not, notate the error below and notify the PM (NA) Y N

6. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? (NA) Y N Underfilled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: _____

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

Analyst Summary report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301665
**Project:** 23A1459/

**Sample Name:** 23A1459-14 **Date Collected:** 02/3/23
**Lab Code:** K2301665-001 **Date Received:** 02/8/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-64 **Date Collected:** 02/3/23
**Lab Code:** K2301665-002 **Date Received:** 02/8/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-65 **Date Collected:** 02/3/23
**Lab Code:** K2301665-003 **Date Received:** 02/8/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-66 **Date Collected:** 01/21/23
**Lab Code:** K2301665-004 **Date Received:** 02/8/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

# Sample Results

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# Semivolatile Organic Compounds by GC

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**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 00:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/08/23 10:50 |
| **Sample Name:** | 23A1459-66 | **Units:** | ug/Kg |
| **Lab Code:** | K2301665-004 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.3 | 0.34 | 1 | 02/25/23 15:08 | 2/9/23 | * |
| Di-n-butyltin Cation | ND U | 1.3 | 0.25 | 1 | 02/25/23 15:08 | 2/9/23 | * |
| Tri-n-butyltin Cation | ND U | 1.3 | 0.56 | 1 | 02/25/23 15:08 | 2/9/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 60 | 10 - 152 | 02/25/23 15:08 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 00:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/08/23 10:50 |
| **Sample Name:** | 23A1459-66 | **Units:** | ug/Kg |
| **Lab Code:** | K2301665-004 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.99 | 0.26 | 1 | 02/25/23 15:08 | 2/9/23 | * |
| Di-n-butyltin Cation | ND U | 0.99 | 0.19 | 1 | 02/25/23 15:08 | 2/9/23 | * |
| Tri-n-butyltin Cation | ND U | 0.99 | 0.43 | 1 | 02/25/23 15:08 | 2/9/23 | * |

# General Chemistry

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project:** | 23A1459 | **Date Collected:** | 02/03/23 09:05 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/08/23 10:50 |
| **Sample Name:** | 23A1459-14 | **Basis:** | NA |
| **Lab Code:** | K2301665-001 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/14/23 16:53 | 02/14/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project:** | 23A1459 | **Date Collected:** | 02/03/23 09:05 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/08/23 10:50 |
| **Sample Name:** | 23A1459-64 | **Basis:** | NA |
| **Lab Code:** | K2301665-002 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/14/23 16:53 | 02/14/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project:** | 23A1459 | **Date Collected:** | 02/03/23 09:05 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/08/23 10:50 |
| **Sample Name:** | 23A1459-65 | **Basis:** | NA |
| **Lab Code:** | K2301665-003 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/14/23 16:53 | 02/14/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 00:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/08/23 10:50 |
| **Sample Name:** | 23A1459-66 | **Basis:** | As Received |
| **Lab Code:** | K2301665-004 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **77.3** | Percent | - | - | 1 | 02/02/23 16:57 | |

# QC Summary Forms

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# Semivolatile Organic Compounds by GC

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**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301665
**Project:** 23A1459
**Sample Matrix:** Sediment

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** Method

| Sample Name | Lab Code | Tri-n-propyltin 10-152 |
|---|---|---|
| 23A1459-66 | K2301665-004 | 60 |
| Method Blank | KQ2302128-04 | 78 |
| Lab Control Sample | KQ2302128-05 | 62 |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2302128-04 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.97 | 0.26 | 1 | 02/25/23 11:34 | 2/9/23 | |
| Di-n-butyltin Cation | ND U | 0.97 | 0.19 | 1 | 02/25/23 11:34 | 2/9/23 | |
| Tri-n-butyltin Cation | ND U | 0.97 | 0.43 | 1 | 02/25/23 11:34 | 2/9/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 78 | 10 - 152 | 02/25/23 11:34 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2302128-04 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.97 | 0.26 | 1 | 02/25/23 11:34 | 2/9/23 | |
| Di-n-butyltin Cation | ND U | 0.97 | 0.19 | 1 | 02/25/23 11:34 | 2/9/23 | |
| Tri-n-butyltin Cation | ND U | 0.97 | 0.43 | 1 | 02/25/23 11:34 | 2/9/23 | |

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project:** | 23A1459 | **Date Analyzed:** | 02/25/23 |
| **Sample Matrix:** | Sediment | **Date Extracted:** | 02/09/23 |

## Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/Kg |
| **Prep Method:** | Method | **Basis:** | Dry |
| | | **Analysis Lot:** | 795850 |

### Lab Control Sample
### KQ2302128-05

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|
| Di-n-butyltin Cation | 16.3 | 19.2 | 85 | 10-190 |
| n-Butyltin Cation | 14.7 | 15.6 | 94 | 10-200 |
| Tri-n-butyltin Cation | 15.5 | 22.3 | 70 | 10-186 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301665
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2302128-05

**Units:** ug/Kg
**Basis:** Dry

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.19 | 16.3 | 17.7 | 8 | | 1 | 02/25/23 11:51 |
| Tri-n-butyltin Cation | 0.43 | 15.5 | 17.3 | 11 | | 1 | 02/25/23 11:51 |
| n-Butyltin Cation | 0.26 | 14.7 | 15.2 | 3 | | 1 | 02/25/23 11:51 |

# General Chemistry

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2301665-MB | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/14/23 16:53 | 02/14/23 | |

**ALS Group USA, Corp.**

**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project** | 23A1459 | **Date Collected:** | 01/21/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/08/23 |
| | | **Date Analyzed:** | 02/02/23 |

## Replicate Sample Summary
## Inorganic Parameters

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-66 | **Units:** | Percent |
| **Lab Code:** | K2301665-004 | **Basis:** | As Received |

| Analyte Name | Analysis Method | MRL | MDL | Sample Result | Duplicate Sample K2301665-004DUP Result | Average | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | - | - | 77.3 | 75.5 | 76.4 | 2 | 20 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301665 |
| **Project:** | 23A1459 | **Date Analyzed:** | 02/14/23 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Extracted:** | 02/14/23 |

## Duplicate Lab Control Sample Summary
## General Chemistry Parameters

| | | | |
|---|---|---|---|
| **Analysis Method:** | SM 4500-CN- E | **Units:** | mg/L |
| **Prep Method:** | SM 4500-CN-C | **Basis:** | NA |
| | | **Analysis Lot:** | 794621 |

| | Lab Control Sample K2301665-LCS | | | Duplicate Lab Control Sample K2301665-DLCS | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Cyanide, Total | 0.0758 | 0.075 | 101 | 0.0727 | 0.075 | 97 | 84-115 | 4 | 20 |

March 14, 2023 Service Request No:K2301370

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 23A1459**

Dear Monica,

Enclosed are the results of the sample(s) submitted to our laboratory February 02, 2023
For your reference, these analyses have been assigned our service request number **K2301370.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**

Luke Rahn
Project Manager

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PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
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**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Sample Matrix:** Sediment

**Service Request:** K2301370
**Date Received:** 02/02/2023

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Two sediment samples were received for analysis at ALS Environmental on 02/02/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Semivoa GC:**

No significant anomalies were noted with this analysis.

Approved by _____ Date 03/14/2023

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 23A1459-46 | | | Lab ID: K2301370-001 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 67.2 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-47 | | | Lab ID: K2301370-002 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 64.7 | | | | Percent | 160.3 Modified |

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2301370
**Project:** 23A1459

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2301370-001 | 23A1459-46 | 1/23/2023 | |
| K2301370-002 | 23A1459-47 | 1/23/2023 | |

## Work Order: 23A1459 (Continued)

1623013?0

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] ***Sediment Sampled: 01/18/2023 14:10*** | | | |
| [redacted] | 03/06/2023 | 02/01/2023 14:10 | |
| *Analyte(s):* | | | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] ***Sediment Sampled: 01/19/2023 08:15*** | | | |
| [redacted] | 03/06/2023 | 02/02/2023 08:15 | |
| *Analyte(s):* | | | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] ***Sediment Sampled: 01/20/2023 09:15*** | | | |
| [redacted] | 03/06/2023 | 02/03/2023 09:15 | |
| *Analyte(s):* | | | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-46** ***Sediment Sampled: 01/23/2023 00:00*** | | | |
| Sub_Organotins-TX1001 | 03/06/2023 | 02/06/2023 00:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-47** ***Sediment Sampled: 01/23/2023 00:00*** | | | |
| Sub_Organotins-TX1001 | 03/06/2023 | 02/06/2023 00:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

PM Luke

# Cooler Receipt and Preservation Form

lient NWDLS Service Request K23 01320

eceived: 2/2/23 Opened: 2/2/23 By: VM Unloaded: 2/2/23 By: VM

Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*

Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*

Were custody seals on coolers? NA Y N If yes, how many and where? _____

If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp indicate with "X" | PM Notified If out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| | 0.5 | IR01 | | | | 1Z12W40V0199584487 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column above:

If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":

. Were samples received within the method specified temperature ranges? NA Y N

If no, were they received on ice and same day as collected? If not, notate the cooler # above and notify the PM. NA Y N

f applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____

. Were custody papers properly filled out (ink, signed, etc.)? NA Y N

. Were samples received in good condition (unbroken) NA Y N

. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N

0. Did all sample labels and tags agree with custody papers? NA Y N

1. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N

2. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N

3. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N

4. Was C12/Res negative? NA Y N

5. Were samples received within the method specified time limit? If not, notate the error below and notify the PM NA Y N

6. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? NA Y N Underfilled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: _____

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

Analyst Summary report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459/ | | |

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-46 | **Date Collected:** | 01/23/23 |
| **Lab Code:** | K2301370-001 | **Date Received:** | 02/2/23 |
| **Sample Matrix:** | Sediment | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | JMOORE | BBRIGHT |

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-47 | **Date Collected:** | 01/23/23 |
| **Lab Code:** | K2301370-002 | **Date Received:** | 02/2/23 |
| **Sample Matrix:** | Sediment | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | JMOORE | BBRIGHT |

# Sample Results

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
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www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459 | **Date Collected:** | 01/23/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/02/23 10:10 |
| **Sample Name:** | 23A1459-46 | **Units:** | ug/Kg |
| **Lab Code:** | K2301370-001 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.5 | 0.39 | 1 | 02/26/23 23:49 | 2/6/23 | |
| Di-n-butyltin Cation | ND U | 1.5 | 0.28 | 1 | 02/26/23 23:49 | 2/6/23 | |
| Tri-n-butyltin Cation | ND U | 1.5 | 0.63 | 1 | 02/26/23 23:49 | 2/6/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 98 | 10 - 152 | 02/26/23 23:49 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459 | **Date Collected:** | 01/23/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/02/23 10:10 |
| **Sample Name:** | 23A1459-46 | **Units:** | ug/Kg |
| **Lab Code:** | K2301370-001 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.98 | 0.26 | 1 | 02/26/23 23:49 | 2/6/23 | |
| Di-n-butyltin Cation | ND U | 0.98 | 0.19 | 1 | 02/26/23 23:49 | 2/6/23 | |
| Tri-n-butyltin Cation | ND U | 0.98 | 0.43 | 1 | 02/26/23 23:49 | 2/6/23 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459 | **Date Collected:** | 01/23/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/02/23 10:10 |
| **Sample Name:** | 23A1459-47 | **Units:** | ug/Kg |
| **Lab Code:** | K2301370-002 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.5 | 0.40 | 1 | 02/27/23 00:38 | 2/6/23 | |
| Di-n-butyltin Cation | ND U | 1.5 | 0.29 | 1 | 02/27/23 00:38 | 2/6/23 | |
| Tri-n-butyltin Cation | ND U | 1.5 | 0.66 | 1 | 02/27/23 00:38 | 2/6/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 42 | 10 - 152 | 02/27/23 00:38 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459 | **Date Collected:** | 01/23/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/02/23 10:10 |
| **Sample Name:** | 23A1459-47 | **Units:** | ug/Kg |
| **Lab Code:** | K2301370-002 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.98 | 0.26 | 1 | 02/27/23 00:38 | 2/6/23 | |
| Di-n-butyltin Cation | ND U | 0.98 | 0.19 | 1 | 02/27/23 00:38 | 2/6/23 | |
| Tri-n-butyltin Cation | ND U | 0.98 | 0.43 | 1 | 02/27/23 00:38 | 2/6/23 | |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
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www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459 | **Date Collected:** | 01/23/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/02/23 10:10 |
| **Sample Name:** | 23A1459-46 | **Basis:** | As Received |
| **Lab Code:** | K2301370-001 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **67.2** | Percent | - | - | 1 | 02/22/23 09:47 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459 | **Date Collected:** | 01/23/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/02/23 10:10 |
| **Sample Name:** | 23A1459-47 | **Basis:** | As Received |
| **Lab Code:** | K2301370-002 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **64.7** | Percent | - | - | 1 | 02/22/23 09:47 | |

# QC Summary Forms

**ALS Environmental—Kelso Laboratory**
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www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

QA/QC Report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301370
**Project:** 23A1459
**Sample Matrix:** Sediment

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** Method

| Sample Name | Lab Code | Tri-n-propyltin 10-152 |
|---|---|---|
| 23A1459-46 | K2301370-001 | 98 |
| 23A1459-47 | K2301370-002 | 42 |
| Method Blank | KQ2302045-03 | 91 |
| Lab Control Sample | KQ2302045-04 | 124 |
| 23A1459-46 | KQ2302045-01 | 84 |
| 23A1459-46 | KQ2302045-02 | 53 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459 | **Date Collected:** | 01/23/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/02/23 |
| | | **Date Analyzed:** | 02/27/23 |
| | | **Date Extracted:** | 02/6/23 |

**Duplicate Matrix Spike Summary**
**Butyltins**

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-46 | **Units:** | ug/Kg |
| **Lab Code:** | K2301370-001 | **Basis:** | Dry |
| **Analysis Method:** | ALS SOP | | |
| **Prep Method:** | Method | | |

| | | Matrix Spike KQ2302045-01 | | | Duplicate Matrix Spike KQ2302045-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Sample Result** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| n-Butyltin Cation | ND U | 15.0 | 22.4 | 67 | 13.5 | 22.6 | 60 | 10-200 | 10 | 40 |
| Di-n-butyltin Cation | ND U | 21.3 P | 27.5 | 77 | 17.2 | 27.9 | 62 | 10-190 | 21 | 40 |
| Tri-n-butyltin Cation | ND U | 14.5 P | 32.0 | 45 | 19.4 | 32.4 | 60 | 10-186 | 29 | 40 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.**

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2302045-03 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.97 | 0.26 | 1 | 02/26/23 23:16 | 2/6/23 | |
| Di-n-butyltin Cation | ND U | 0.97 | 0.19 | 1 | 02/26/23 23:16 | 2/6/23 | |
| Tri-n-butyltin Cation | ND U | 0.97 | 0.43 | 1 | 02/26/23 23:16 | 2/6/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 91 | 10 - 152 | 02/26/23 23:16 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2302045-03 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.97 | 0.26 | 1 | 02/26/23 23:16 | 2/6/23 | |
| Di-n-butyltin Cation | ND U | 0.97 | 0.19 | 1 | 02/26/23 23:16 | 2/6/23 | |
| Tri-n-butyltin Cation | ND U | 0.97 | 0.43 | 1 | 02/26/23 23:16 | 2/6/23 | |

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459 | **Date Analyzed:** | 02/26/23 |
| **Sample Matrix:** | Sediment | **Date Extracted:** | 02/06/23 |

## Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/Kg |
| **Prep Method:** | Method | **Basis:** | Dry |
| | | **Analysis Lot:** | 796038 |

### Lab Control Sample
### KQ2302045-04

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|
| Di-n-butyltin Cation | 28.5 P | 19.2 | 149 | 10-190 |
| n-Butyltin Cation | 20.0 P | 15.6 | 128 | 10-200 |
| Tri-n-butyltin Cation | 30.7 | 22.3 | 138 | 10-186 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301370
**Date Collected:** 01/23/23
**Date Received:** 2/2/23

**Sample Name:** 23A1459-46
**Lab Code:** KQ2302045-01

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 67.2

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.28 | 21.3 | 32.7 | 42 | P | 1 | 02/27/23 00:05 |
| Tri-n-butyltin Cation | 0.62 | 14.5 | 27.4 | 62 | P | 1 | 02/27/23 00:05 |
| n-Butyltin Cation | 0.38 | 15.0 | 20.6 | 31 | | 1 | 02/27/23 00:05 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project:** | 23A1459 | **Date Collected:** | 01/23/23 |
| **Matrix:** | Sediment | **Date Received:** | 2/2/23 |
| **Sample Name:** | 23A1459-46 | | |
| **Lab Code:** | KQ2302045-02 | **Units:** | ug/Kg |
| | | **Basis:** | Dry |
| | | **Percent Solids:** | 67.2 |

**Butyltins**

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.28 | 17.2 | 17.9 | 4 | | 1 | 02/27/23 00:22 |
| Tri-n-butyltin Cation | 0.63 | 19.4 | 19.5 | <1 | | 1 | 02/27/23 00:22 |
| n-Butyltin Cation | 0.38 | 13.5 | 14.5 | 7 | | 1 | 02/27/23 00:22 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301370
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2302045-04

**Units:** ug/Kg
**Basis:** Dry

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.19 | 28.5 | 42.8 | 40 | P | 1 | 02/26/23 23:33 |
| Tri-n-butyltin Cation | 0.43 | 30.7 | 39.6 | 25 | | 1 | 02/26/23 23:33 |
| n-Butyltin Cation | 0.26 | 20.0 | 48.6 | 83 | P | 1 | 02/26/23 23:33 |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**ALS Group USA, Corp.**

**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301370 |
| **Project** | 23A1459 | **Date Collected:** | 01/23/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/02/23 |
| | | **Date Analyzed:** | 02/22/23 |

## Replicate Sample Summary
## Inorganic Parameters

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-46 | **Units:** | Percent |
| **Lab Code:** | K2301370-001 | **Basis:** | As Received |

| Analyte Name | Analysis Method | MRL | Sample Result | Duplicate Sample K2301370-001DUP Result | Average | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | - | 67.2 | 72.3 | 69.8 | 7 | 20 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

March 16, 2023 Service Request No:K2301786

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 23A1459**

Dear Monica,

Enclosed are the results of the sample(s) submitted to our laboratory February 10, 2023
For your reference, these analyses have been assigned our service request number **K2301786.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**



Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Sample Matrix:** Elutriate, Liquid, Ocean Water

**Service Request:** K2301786
**Date Received:** 02/10/2023

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Fourteen elutriate, liquid, ocean water samples were received for analysis at ALS Environmental on 02/10/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Semivoa GC:**

Method ALS SOP, 02/26/2023:Samples were received past or with insufficient holding time remaining. The analysis was performed as soon as possible after receipt by the laboratory. The data was flagged to indicate the holding time violation.
Method ALS SOP, 02/26/2023:The analysis of Butyltins by ALS SOP requires the use of dual column confirmation. When the Continuing Calibration Verification (CCV) criterion is met for both columns, the lower of the two sample results is generally reported. The primary evaluation criteria were not met on the confirmation column for Di-n-butyltin Cation, Tri-n-butyltin Cation, and Tri-n-propyltin. The results were reported from the column with an acceptable CCV. The data quality was not affected. No further corrective action was necessary.
Method ALS SOP, 02/26/2023:The upper control criterion was exceeded for Di-n-butyltin Cation in Duplicate Laboratory Control Sample (LCS) KQ2302966-03. The analyte in question was not detected in the associated field samples. The error associated with elevated recovery indicated a high bias. The sample data was not significantly affected. The recovery for this analyte and the LCS/DLCS RPD were acceptable. No further corrective action was appropriate.

Method ALS SOP, 02/26/2023:The upper control criterion was exceeded for Tri-n-propyltin in samples 23A1459-07 and 23A1459-51 . No target analytes were detected in the samples. The error associated with an elevated recovery equated to a high bias. The quality of the sample data was not significantly affected. No further corrective action was appropriate.

Approved by _____ Date 03/16/2023

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 23A1459-03 | | | Lab ID: K2301786-002 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.13 | | 0.029 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 23A1459-08 | | | Lab ID: K2301786-004 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.13 | | 0.029 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 23A1459-10 | | | Lab ID: K2301786-006 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.064 | | 0.029 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 23A1459-11 | | | Lab ID: K2301786-007 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.031 | J | 0.029 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 23A1459-52 | | | Lab ID: K2301786-012 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.065 | | 0.033 | 0.056 | ug/L | ALS SOP |

| CLIENT ID: 23A1459-64 | | | Lab ID: K2301786-013 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.044 | J | 0.029 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 23A1459-65 | | | Lab ID: K2301786-014 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.17 | | 0.029 | 0.050 | ug/L | ALS SOP |

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2301786
**Project:** 23A1459

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2301786-001 | 23A1459-02 | 1/25/2023 | 0930 |
| K2301786-002 | 23A1459-03 | 1/25/2023 | 1250 |
| K2301786-003 | 23A1459-07 | 2/1/2023 | 1349 |
| K2301786-004 | 23A1459-08 | 2/1/2023 | 1349 |
| K2301786-005 | 23A1459-09 | 2/1/2023 | 1349 |
| K2301786-006 | 23A1459-10 | 2/1/2023 | 1349 |
| K2301786-007 | 23A1459-11 | 2/1/2023 | 1349 |
| K2301786-008 | 23A1459-12 | 2/1/2023 | 1349 |
| K2301786-009 | 23A1459-13 | 2/1/2023 | 1349 |
| K2301786-010 | 23A1459-14 | 2/3/2023 | 0905 |
| K2301786-011 | 23A1459-51 | 2/1/2023 | 1349 |
| K2301786-012 | 23A1459-52 | 2/1/2023 | 1349 |
| K2301786-013 | 23A1459-64 | 2/3/2023 | 0905 |
| K2301786-014 | 23A1459-65 | 2/3/2023 | 0905 |

K23017 86

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

ALS Kelso
1317 South 13th Avenue
Kelso, WA 98626
Phone: (360) 577-7222
Fax:

## Work Order: 23A1459

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-02** ***Marine Water Sampled: 01/25/2023 09:30*** | | | |
| [redacted] | 03/06/2023 | 02/08/2023 09:30 | |
| *Analyte(s):* | | | |
| [redacted]de | | | |
| Sub_Organotins-TX1001 | 03/06/2023 | 02/01/2023 09:30 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-03** ***Marine Water Sampled: 01/25/2023 12:50*** | | | |
| Sub_CN T-4500 | 03/06/2023 | 02/08/2023 12:50 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 03/06/2023 | 02/01/2023 12:50 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/08/2023 14:50 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| [redacted] | 03/06/2023 | 02/01/2023 14:50 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

KZ3017860

NWDLS

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] | | | |
| [redacted] | 03/06/2023 | 02/10/2023 12:30 | |

*Analyte(s):*

| | | |
|---|---|---|
| Dibutyltin | Monobutyltin | Tributyltin |
| Dibutyltin | Monobutyltin | Tributyltin |

*Containers Supplied:*

| | | | |
|---|---|---|---|
| Released By | 2/9/23 Date | UPS Received By | 2/9/23 Date |

Rev by MRodella 2/10/23 1020

K230178-86

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

ALS Kelso
1317 South 13th Avenue
Kelso, WA 98626
Phone: (360) 577-7222
Fax:

## Work Order: 23A1459

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: [redacted]** | ***Marine Water*** | ***Sampled: 01/25/2023 09:30*** | |
| [redacted] | 03/06/2023 | 02/08/2023 09:30 | |
| *Containers Supplied:* | | | |
| [redacted] | ***Marine Water*** | ***Sampled: 01/25/2023 12:50*** | |
| [redacted] | 03/06/2023 | 02/08/2023 12:50 | |
| *Containers Supplied:* | | | |
| [redacted] | ***Marine Water*** | ***Sampled: 01/25/2023 14:50*** | |
| [redacted] | 03/06/2023 | 02/08/2023 14:50 | |
| [redacted] | 03/06/2023 | 02/01/2023 14:50 | |
| [redacted] | Monobutyltin | | Tributyltin |
| [redacted] | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] | ***Marine Water*** | ***Sampled: 01/27/2023 11:25*** | |
| [redacted] | 03/06/2023 | 02/10/2023 11:25 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| [redacted] | 03/06/2023 | 02/03/2023 11:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

K2301786

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-07** ***Elutriate*** ***Sampled: 01/16/2023 14:20*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 01/30/2023 14:20 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/23/2023 14:20 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-08** ***Elutriate*** ***Sampled: 01/16/2023 17:20*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 01/30/2023 17:20 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/23/2023 17:20 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-09** ***Elutriate*** ***Sampled: 01/19/2023 15:20*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/02/2023 15:20 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/26/2023 15:20 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-10** ***Elutriate*** ***Sampled: 01/19/2023 17:00*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/02/2023 17:00 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/26/2023 17:00 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-11** ***Elutriate Sampled: 01/18/2023 09:40*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/01/2023 09:40 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/25/2023 09:40 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-12** ***Elutriate Sampled: 01/18/2023 11:15*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/01/2023 11:15 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/25/2023 11:15 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-13** ***Elutriate Sampled: 01/16/2023 16:37*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 01/30/2023 16:37 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/23/2023 16:37 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-14** ***Elutriate Sampled: 01/18/2023 14:10*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/01/2023 14:10 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/25/2023 14:10 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] ***Sediment Sampled: 01/16/2023 14:20*** | | | |
| [redacted] | 03/06/2023 | 01/30/2023 14:20 | |
| *Analyte(s):* Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

K2301786

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] | ***Marine Water Sampled: 01/27/2023 15:32*** | | |
| [redacted] | 03/06/2023 | 02/10/2023 15:32 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| [redacted] | 03/06/2023 | 02/03/2023 15:32 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] | ***Marine Water Sampled: 01/27/2023 14:40*** | | |
| [redacted] | 03/06/2023 | 02/10/2023 14:40 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| [redacted] | 03/06/2023 | 02/03/2023 14:40 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted]D: 23A1459-51 | ***Elutriate Sampled: 01/23/2023 13:05*** | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/06/2023 13:05 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/30/2023 13:05 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-52** | ***Elutriate Sampled: 01/21/2023 10:00*** | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/04/2023 10:00 | Leached: 02/01/2023 10:00 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/28/2023 10:00 | Leached: 02/01/2023 13:49 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

K7301786

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| [redacted] ***Sediment Sampled: 01/21/2023 11:45*** | | | |
| [redacted] | 03/06/2023 | 02/04/2023 11:45 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] ***Marine Water Sampled: 01/27/2023 13:10*** | | | |
| [redacted] | 03/06/2023 | 02/10/2023 13:10 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| [redacted] | 03/06/2023 | 02/03/2023 13:10 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-64** ***Elutriate Sampled: 01/19/2023 14:00*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/02/2023 14:00 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/26/2023 14:00 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-65** ***Elutriate Sampled: 01/21/2023 11:45*** | | | |
| Sub_CN T-ELUT | 03/06/2023 | 02/04/2023 11:45 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001-ELUT | 03/06/2023 | 01/28/2023 11:45 | Leached: 02/03/2023 09:05 |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| [redacted] ***Sediment Sampled: 01/27/2023 12:30*** | | | |
| [redacted] | 03/06/2023 | 02/10/2023 12:30 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

KZ3017786

# SUBCONTRACT ORDER
**(Continued)**

| Released By | Date | Received By | Date |
|---|---|---|---|
| SRL | 02/09/23 | UPS | 02/09/23 |

Ruby Mkeller 2/10/23 1020

PM KF

# Cooler Receipt and Preservation Form

Client NWDLS Service Request K23 01786

Received: 2/10/23 Opened: 2/10/23 By: AP Unloaded: 2/10/23 By: AP

1. Samples were received via? *USPS* *Fed Ex* (*UPS*) *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA Y (N) If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp indicate with "X" | PM Notified if out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| | 2.8 | 1801 | | | | 1Z 12W40V0 1977 12789 | |
| | 3.2 | ↓ | | | | " " 1985 7 8361 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

4. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column above:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # above and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* (*Bubble Wrap*) *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA (Y) N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y (N)
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* (NA) Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* (NA) Y N
14. Was C12/Res negative? (NA) Y N
15. Were samples received within the method specified time limit? If not, notate the error below and notify the PM (NA) Y N
16. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? (NA) Y N Underfilled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: Did not receive CN bottles

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301786
**Project:** 23A1459/

**Sample Name:** 23A1459-02 **Date Collected:** 01/25/23
**Lab Code:** K2301786-001 **Date Received:** 02/10/23
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-03 **Date Collected:** 01/25/23
**Lab Code:** K2301786-002 **Date Received:** 02/10/23
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-07 **Date Collected:** 02/1/23
**Lab Code:** K2301786-003 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-08 **Date Collected:** 02/1/23
**Lab Code:** K2301786-004 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-09 **Date Collected:** 02/1/23
**Lab Code:** K2301786-005 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301786
**Project:** 23A1459/

**Sample Name:** 23A1459-10 **Date Collected:** 02/1/23
**Lab Code:** K2301786-006 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-11 **Date Collected:** 02/1/23
**Lab Code:** K2301786-007 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-12 **Date Collected:** 02/1/23
**Lab Code:** K2301786-008 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-13 **Date Collected:** 02/1/23
**Lab Code:** K2301786-009 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-14 **Date Collected:** 02/3/23
**Lab Code:** K2301786-010 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

Analyst Summary report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301786
**Project:** 23A1459/

**Sample Name:** 23A1459-51 **Date Collected:** 02/1/23
**Lab Code:** K2301786-011 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-52 **Date Collected:** 02/1/23
**Lab Code:** K2301786-012 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-64 **Date Collected:** 02/3/23
**Lab Code:** K2301786-013 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-65 **Date Collected:** 02/3/23
**Lab Code:** K2301786-014 **Date Received:** 02/10/23
**Sample Matrix:** Elutriate, Liquid

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |

# Sample Results

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 01/25/23 09:30 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-02 | **Units:** | ug/L |
| **Lab Code:** | K2301786-001 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 02/26/23 18:06 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 02/26/23 18:06 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 02/26/23 18:06 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 136 | 10 - 195 | 02/26/23 18:06 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 01/25/23 12:50 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-03 | **Units:** | ug/L |
| **Lab Code:** | K2301786-002 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.13** | 0.050 | 0.029 | 1 | 02/26/23 18:22 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 02/26/23 18:22 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 02/26/23 18:22 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 78 | 10 - 195 | 02/26/23 18:22 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 13:49 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-07 | **Units:** | ug/L |
| **Lab Code:** | K2301786-003 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 02/26/23 18:38 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 02/26/23 18:38 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 02/26/23 18:38 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 215 | 10 - 195 | 02/26/23 18:38 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 13:49 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-08 | **Units:** | ug/L |
| **Lab Code:** | K2301786-004 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.13** | 0.050 | 0.029 | 1 | 02/26/23 18:55 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 02/26/23 18:55 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 02/26/23 18:55 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 115 | 10 - 195 | 02/26/23 18:55 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 13:49 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-09 | **Units:** | ug/L |
| **Lab Code:** | K2301786-005 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 02/26/23 19:11 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 02/26/23 19:11 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 02/26/23 19:11 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 168 | 10 - 195 | 02/26/23 19:11 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 13:49 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-10 | **Units:** | ug/L |
| **Lab Code:** | K2301786-006 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.064** | 0.050 | 0.029 | 1 | 02/26/23 19:27 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 02/26/23 19:27 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 02/26/23 19:27 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 157 | 10 - 195 | 02/26/23 19:27 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 13:49 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-11 | **Units:** | ug/L |
| **Lab Code:** | K2301786-007 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.031** | **J** | 0.050 | 0.029 | 1 | 02/26/23 19:44 | 2/16/23 | * |
| Di-n-butyltin Cation | ND | U | 0.050 | 0.0073 | 1 | 02/26/23 19:44 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 02/26/23 19:44 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 180 | 10 - 195 | 02/26/23 19:44 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 13:49 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-12 | **Units:** | ug/L |
| **Lab Code:** | K2301786-008 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 02/26/23 20:00 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 02/26/23 20:00 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 02/26/23 20:00 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 169 | 10 - 195 | 02/26/23 20:00 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 13:49 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-13 | **Units:** | ug/L |
| **Lab Code:** | K2301786-009 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 02/26/23 20:16 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 02/26/23 20:16 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 02/26/23 20:16 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 121 | 10 - 195 | 02/26/23 20:16 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/03/23 09:05 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-14 | **Units:** | ug/L |
| **Lab Code:** | K2301786-010 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 02/26/23 20:33 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 02/26/23 20:33 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 02/26/23 20:33 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 135 | 10 - 195 | 02/26/23 20:33 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 13:49 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-51 | **Units:** | ug/L |
| **Lab Code:** | K2301786-011 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.10 | 0.058 | 1 | 02/26/23 21:22 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.10 | 0.015 | 1 | 02/26/23 21:22 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.10 | 0.024 | 1 | 02/26/23 21:22 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 339 | 10 - 195 | 02/26/23 21:22 | * |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 13:49 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-52 | **Units:** | ug/L |
| **Lab Code:** | K2301786-012 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.065** | 0.056 | 0.033 | 1 | 02/26/23 21:38 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.056 | 0.0083 | 1 | 02/26/23 21:38 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.056 | 0.014 | 1 | 02/26/23 21:38 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 74 | 10 - 195 | 02/26/23 21:38 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/03/23 09:05 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-64 | **Units:** | ug/L |
| **Lab Code:** | K2301786-013 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.044** | **J** | 0.050 | 0.029 | 1 | 02/26/23 21:54 | 2/16/23 | * |
| Di-n-butyltin Cation | ND | U | 0.050 | 0.0073 | 1 | 02/26/23 21:54 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 02/26/23 21:54 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 147 | 10 - 195 | 02/26/23 21:54 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/03/23 09:05 |
| **Sample Matrix:** | Elutriate, Liquid | **Date Received:** | 02/10/23 10:20 |
| **Sample Name:** | 23A1459-65 | **Units:** | ug/L |
| **Lab Code:** | K2301786-014 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.17** | 0.050 | 0.029 | 1 | 02/26/23 22:11 | 2/16/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 02/26/23 22:11 | 2/16/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 02/26/23 22:11 | 2/16/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 128 | 10 - 195 | 02/26/23 22:11 | |

# QC Summary Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301786
**Project:** 23A1459
**Sample Matrix:** Ocean Water

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** EPA 3520C

| Sample Name | Lab Code | Tri-n-propyltin 10-195 |
|---|---|---|
| 23A1459-02 | K2301786-001 | 136 |
| 23A1459-03 | K2301786-002 | 78 |
| Method Blank | KQ2302966-01 | 148 |
| Lab Control Sample | KQ2302966-02 | 149 |
| Duplicate Lab Control Sample | KQ2302966-03 | 187 |

QA/QC Report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301786
**Project:** 23A1459
**Sample Matrix:** Elutriate, Liquid

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** EPA 3520C

| Sample Name | Lab Code | Tri-n-propyltin 10-195 |
|---|---|---|
| 23A1459-07 | K2301786-003 | 215* |
| 23A1459-08 | K2301786-004 | 115 |
| 23A1459-09 | K2301786-005 | 168 |
| 23A1459-10 | K2301786-006 | 157 |
| 23A1459-11 | K2301786-007 | 180 |
| 23A1459-12 | K2301786-008 | 169 |
| 23A1459-13 | K2301786-009 | 121 |
| 23A1459-14 | K2301786-010 | 135 |
| 23A1459-51 | K2301786-011 | 339* |
| 23A1459-52 | K2301786-012 | 74 |
| 23A1459-64 | K2301786-013 | 147 |
| 23A1459-65 | K2301786-014 | 128 |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | KQ2302966-01 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND | U | 0.050 | 0.029 | 1 | 02/26/23 17:16 | 2/16/23 | |
| Di-n-butyltin Cation | **0.014** | **J** | 0.050 | 0.0073 | 1 | 02/26/23 17:16 | 2/16/23 | |
| Tri-n-butyltin Cation | ND | U | 0.050 | 0.012 | 1 | 02/26/23 17:16 | 2/16/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 148 | 10 - 195 | 02/26/23 17:16 | |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Analyzed:** | 02/26/23 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 02/16/23 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/L |
| **Prep Method:** | EPA 3520C | **Basis:** | NA |
| | | **Analysis Lot:** | 795862 |

| | Lab Control Sample KQ2302966-02 | | | Duplicate Lab Control Sample KQ2302966-03 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 0.711 | 0.383 | 186 | 0.847 | 0.383 | 221 * | 10-200 | 17 | 30 |
| n-Butyltin Cation | 0.435 P | 0.312 | 140 | 0.455 | 0.312 | 146 | 10-200 | 5 | 30 |
| Tri-n-butyltin Cation | 0.553 | 0.446 | 124 | 0.677 | 0.446 | 152 | 10-200 | 20 | 30 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Ocean Water

**Service Request:** K2301786
**Date Collected:** 01/25/23 12:50
**Date Received:** 2/10/23

**Sample Name:** 23A1459-03
**Lab Code:** K2301786-002

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.029 | 0.13 | 0.14 | 7 | | 1 | 02/26/23 18:22 |

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Confirmation Results

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | 02/01/23 13:49 |
| **Matrix:** | Elutriate, Liquid | **Date Received:** | 2/10/23 |
| **Sample Name:** | 23A1459-08 | | |
| **Lab Code:** | K2301786-004 | **Units:** | ug/L |
| | | **Basis:** | NA |

**Butyltins**

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.029 | 0.13 | 0.15 | 14 | | 1 | 02/26/23 18:55 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Elutriate, Liquid

**Service Request:** K2301786
**Date Collected:** 02/01/23 13:49
**Date Received:** 2/10/23

**Sample Name:** 23A1459-10
**Lab Code:** K2301786-006

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.029 | 0.064 | 0.080 | 22 | | 1 | 02/26/23 19:27 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Elutriate, Liquid

**Service Request:** K2301786
**Date Collected:** 02/01/23 13:49
**Date Received:** 2/10/23

**Sample Name:** 23A1459-11
**Lab Code:** K2301786-007

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.029 | 0.031 | 0.031 | <1 | J | 1 | 02/26/23 19:44 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Elutriate, Liquid

**Service Request:** K2301786
**Date Collected:** 02/01/23 13:49
**Date Received:** 2/10/23

**Sample Name:** 23A1459-52
**Lab Code:** K2301786-012

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.033 | 0.065 | 0.087 | 29 | | 1 | 02/26/23 21:38 |

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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Elutriate, Liquid

**Service Request:** K2301786
**Date Collected:** 02/03/23 09:05
**Date Received:** 2/10/23

**Sample Name:** 23A1459-64
**Lab Code:** K2301786-013

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.029 | 0.044 | 0.059 | 29 | J | 1 | 02/26/23 21:54 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Elutriate, Liquid

**Service Request:** K2301786
**Date Collected:** 02/03/23 09:05
**Date Received:** 2/10/23

**Sample Name:** 23A1459-65
**Lab Code:** K2301786-014

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.029 | 0.17 | 0.24 | 34 | | 1 | 02/26/23 22:11 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Ocean Water

**Service Request:** K2301786
**Date Collected:** NA
**Date Received:**

**Sample Name:** Method Blank
**Lab Code:** KQ2302966-01

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.014 | 0.019 | 30 | J | 1 | 02/26/23 17:16 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301786 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Matrix:** | Ocean Water | **Date Received:** | |
| **Sample Name:** | Lab Control Sample | | |
| **Lab Code:** | KQ2302966-02 | **Units:** | ug/L |
| | | **Basis:** | NA |

**Butyltins**

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.711 | 0.672 | 6 | | 1 | 02/26/23 17:33 |
| Tri-n-butyltin Cation | 0.012 | 0.553 | 0.691 | 22 | | 1 | 02/26/23 17:33 |
| n-Butyltin Cation | 0.029 | 0.435 | 0.673 | 43 | P | 1 | 02/26/23 17:33 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Ocean Water

**Service Request:** K2301786
**Date Collected:** NA
**Date Received:**

**Sample Name:** Duplicate Lab Control Sample
**Lab Code:** KQ2302966-03

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.847 | 0.912 | 7 | | 1 | 02/26/23 17:49 |
| Tri-n-butyltin Cation | 0.012 | 0.677 | 0.853 | 23 | | 1 | 02/26/23 17:49 |
| n-Butyltin Cation | 0.029 | 0.455 | 0.485 | 6 | | 1 | 02/26/23 17:49 |

March 29, 2023 Service Request No:K2301289

Monica Martin
North Water District Lab Services (NWDLS)
130 South Trade Center Parkway
Conroe, TX 77385

**Laboratory Results for: 23A1459**

Dear Monica,

Enclosed are the results of the sample(s) submitted to our laboratory February 01, 2023
For your reference, these analyses have been assigned our service request number **K2301289.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3260. You may also contact me via email at Luke.Rahn@alsglobal.com.

Respectfully submitted,

**ALS Group USA, Corp. dba ALS Environmental**



Luke Rahn
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

# Narrative Documents

**ALS Environmental—Kelso Laboratory**
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Phone (360) 577-7222 Fax (360) 425-9096
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1317 South 13th Ave, Kelso, WA 98626 | 1-360-577-7222 | www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Sample Matrix:** Sediment, Ocean Water

**Service Request:** K2301289
**Date Received:** 02/01/2023

## CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

**Sample Receipt:**

Thirty seven sediment, ocean water samples were received for analysis at ALS Environmental on 02/01/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

**Semivoa GC:**

Method ALS SOP, 03/28/2023:The analysis of sample K2301289-031 was initially performed within the recommended holding time. Reanalysis was required due to Continuing Calibration Verification (CCV) failure. The reanalysis was performed past the recommended holding time. The results from the second analysis were reported.
Method ALS SOP, 03/09/2023: Many samples received past the recommended holding time. The analysis was performed as soon as possible after receipt by the laboratory. The data was flagged to indicate the holding time violation.
Method ALS SOP, 03/09/2023:The upper control criterion was exceeded for Tri-n-propyltin in sample 23A1459-28. No target analytes were detected in the sample at concentrations above the MRL. The error associated with an elevated recovery equated to a high bias. The quality of the sample data was not significantly affected. No further corrective action was appropriate.

Method ALS SOP, 03/28/2023:The analysis of K2301289 samples was initially performed within the recommended holding time. Rederivitization and reanalysis were required. The reanalysis was performed past the recommended holding time. The results from the second analysis were reported.
Method ALS SOP, 03/28/2023:The Relative Percent Difference (RPD) for n-Butyltin Cation in the replicate Laboratory Control Sample (LCS) analyses (KQ2301926-02 and KQ2301926-03) was outside control criteria. All recoveries for target analytes were acceptable.

**General Chemistry:**

No significant anomalies were noted with this analysis.

Approved by _____ Date 03/29/2023

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 23A1459-18 | | | Lab ID: K2301289-007 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Di-n-butyltin Cation | 1.4 | JP | 0.27 | 1.4 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 0.95 | JP | 0.19 | 1.0 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 1.6 | | 0.37 | 1.4 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 1.1 | | 0.26 | 1.0 | ug/Kg | ALS SOP |
| Solids, Total | 70.3 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-58 | | | Lab ID: K2301289-034 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Di-n-butyltin Cation | 0.75 | J | 0.22 | 1.2 | ug/Kg | ALS SOP |
| Di-n-butyltin Cation | 0.63 | J | 0.19 | 0.98 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 1.5 | | 0.31 | 1.2 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 1.3 | | 0.26 | 0.98 | ug/Kg | ALS SOP |
| Solids, Total | 84.9 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-04 | | | Lab ID: K2301289-003 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.072 | | 0.029 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 23A1459-05 | | | Lab ID: K2301289-004 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.049 | JP | 0.029 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 23A1459-16 | | | Lab ID: K2301289-005 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.39 | J | 0.35 | 1.3 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.29 | J | 0.26 | 0.99 | ug/Kg | ALS SOP |
| Solids, Total | 74.0 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-17 | | | Lab ID: K2301289-006 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.63 | J | 0.35 | 1.3 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.46 | J | 0.26 | 0.96 | ug/Kg | ALS SOP |
| Solids, Total | 72.4 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-21 | | | Lab ID: K2301289-009 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.39 | J | 0.38 | 1.4 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.26 | U | 0.26 | 0.95 | ug/Kg | ALS SOP |
| Solids, Total | 66.1 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-22 | | | Lab ID: K2301289-010 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 1.1 | J | 0.44 | 1.7 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.62 | J | 0.26 | 0.99 | ug/Kg | ALS SOP |

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 23A1459-22 | | | Lab ID: K2301289-010 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 59.0 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-24 | | | Lab ID: K2301289-011 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.70 | J | 0.35 | 1.3 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.52 | J | 0.26 | 0.98 | ug/Kg | ALS SOP |
| Solids, Total | 74.0 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-25 | | | Lab ID: K2301289-012 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.67 | J | 0.36 | 1.4 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.48 | J | 0.26 | 0.98 | ug/Kg | ALS SOP |
| Solids, Total | 71.7 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-27 | | | Lab ID: K2301289-013 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.41 | J | 0.41 | 1.6 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.26 | J | 0.26 | 0.99 | ug/Kg | ALS SOP |
| Solids, Total | 63.5 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-28 | | | Lab ID: K2301289-014 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.40 | JP | 0.37 | 1.4 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.27 | JP | 0.26 | 0.97 | ug/Kg | ALS SOP |
| Solids, Total | 68.7 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-30 | | | Lab ID: K2301289-015 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.63 | J | 0.35 | 1.3 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.46 | J | 0.26 | 0.98 | ug/Kg | ALS SOP |
| Solids, Total | 72.9 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-31 | | | Lab ID: K2301289-016 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.51 | J | 0.38 | 1.4 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.35 | J | 0.26 | 0.99 | ug/Kg | ALS SOP |
| Solids, Total | 68.2 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-32 | | | Lab ID: K2301289-017 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.53 | J | 0.32 | 1.2 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.41 | J | 0.26 | 0.95 | ug/Kg | ALS SOP |
| Solids, Total | 78.0 | | | | Percent | 160.3 Modified |

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 23A1459-39 | | | Lab ID: K2301289-022 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 1.4 | J | 0.41 | 1.5 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.90 | J | 0.26 | 0.99 | ug/Kg | ALS SOP |
| Solids, Total | 64.2 | | | | Percent | 160.3 Modified |
| Tri-n-butyltin Cation | 1.3 | J | 0.67 | 1.5 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.82 | J | 0.43 | 0.99 | ug/Kg | ALS SOP |

| CLIENT ID: 23A1459-40 | | | Lab ID: K2301289-023 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.63 | JP | 0.32 | 1.2 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.50 | JP | 0.26 | 0.96 | ug/Kg | ALS SOP |
| Solids, Total | 79.3 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-43 | | | Lab ID: K2301289-025 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.59 | J | 0.31 | 1.2 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.50 | J | 0.26 | 0.99 | ug/Kg | ALS SOP |
| Solids, Total | 85.6 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-50 | | | Lab ID: K2301289-030 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.083 | | 0.029 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 23A1459-54 | | | Lab ID: K2301289-031 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.37 | JP | 0.32 | 1.2 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.30 | J | 0.26 | 0.97 | ug/Kg | ALS SOP |
| Solids, Total | 79.4 | | | | Percent | 160.3 Modified |
| Tri-n-butyltin Cation | 0.78 | JP | 0.53 | 1.2 | ug/Kg | ALS SOP |
| Tri-n-butyltin Cation | 0.62 | JP | 0.43 | 0.97 | ug/Kg | ALS SOP |

| CLIENT ID: 23A1459-60 | | | Lab ID: K2301289-036 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.47 | J | 0.32 | 1.2 | ug/Kg | ALS SOP |
| n-Butyltin Cation | 0.37 | J | 0.26 | 0.96 | ug/Kg | ALS SOP |
| Solids, Total | 78.0 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-62 | | | Lab ID: K2301289-037 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| n-Butyltin Cation | 0.067 | | 0.029 | 0.050 | ug/L | ALS SOP |

| CLIENT ID: 23A1459-20 | | | Lab ID: K2301289-008 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 66.0 | | | | Percent | 160.3 Modified |

## SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

| CLIENT ID: 23A1459-34 | | | Lab ID: K2301289-018 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 73.6 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-35 | | | Lab ID: K2301289-019 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 71.8 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-36 | | | Lab ID: K2301289-020 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 68.5 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-38 | | | Lab ID: K2301289-021 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 65.6 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-41 | | | Lab ID: K2301289-024 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 78.8 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-44 | | | Lab ID: K2301289-026 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 84.5 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-45 | | | Lab ID: K2301289-027 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 70.0 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-48 | | | Lab ID: K2301289-028 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 70.2 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-55 | | | Lab ID: K2301289-032 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 83.6 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-56 | | | Lab ID: K2301289-033 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 81.9 | | | | Percent | 160.3 Modified |

| CLIENT ID: 23A1459-59 | | | Lab ID: K2301289-035 | | | |
|---|---|---|---|---|---|---|
| **Analyte** | **Results** | **Flag** | **MDL** | **MRL** | **Units** | **Method** |
| Solids, Total | 77.8 | | | | Percent | 160.3 Modified |

# Sample Receipt Information

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:**K2301289
**Project:** 23A1459

## SAMPLE CROSS-REFERENCE

| SAMPLE # | CLIENT SAMPLE ID | DATE | TIME |
|---|---|---|---|
| K2301289-001 | 23A1459-02 | 1/25/2023 | 1120 |
| K2301289-002 | 23A1459-03 | 1/25/2023 | 1417 |
| K2301289-003 | 23A1459-04 | 1/25/2023 | 1545 |
| K2301289-004 | 23A1459-05 | 1/27/2023 | 1200 |
| K2301289-005 | 23A1459-16 | 1/16/2023 | 1420 |
| K2301289-006 | 23A1459-17 | 1/17/2023 | 0940 |
| K2301289-007 | 23A1459-18 | 1/17/2023 | 1440 |
| K2301289-008 | 23A1459-20 | 1/16/2023 | 1720 |
| K2301289-009 | 23A1459-21 | 1/17/2023 | 1130 |
| K2301289-010 | 23A1459-22 | 1/17/2023 | 1630 |
| K2301289-011 | 23A1459-24 | 1/19/2023 | 1520 |
| K2301289-012 | 23A1459-25 | 1/20/2023 | 1100 |
| K2301289-013 | 23A1459-27 | 1/19/2023 | 1700 |
| K2301289-014 | 23A1459-28 | 1/20/2023 | 1250 |
| K2301289-015 | 23A1459-30 | 1/18/2023 | 0940 |
| K2301289-016 | 23A1459-31 | 1/18/2023 | 1400 |
| K2301289-017 | 23A1459-32 | 1/19/2023 | 0920 |
| K2301289-018 | 23A1459-34 | 1/18/2023 | 1115 |
| K2301289-019 | 23A1459-35 | 1/18/2023 | 1545 |
| K2301289-020 | 23A1459-36 | 1/19/2023 | 1110 |
| K2301289-021 | 23A1459-38 | 1/17/2023 | 1412 |
| K2301289-022 | 23A1459-39 | 1/18/2023 | 0925 |
| K2301289-023 | 23A1459-40 | 1/16/2023 | 1637 |
| K2301289-024 | 23A1459-41 | 1/17/2023 | 0920 |
| K2301289-025 | 23A1459-43 | 1/18/2023 | 1410 |
| K2301289-026 | 23A1459-44 | 1/19/2023 | 0815 |
| K2301289-027 | 23A1459-45 | 1/20/2023 | 0915 |
| K2301289-028 | 23A1459-48 | 1/20/2023 | 0930 |
| K2301289-029 | 23A1459-49 | 1/27/2023 | 1607 |
| K2301289-030 | 23A1459-50 | 1/27/2023 | 1520 |
| K2301289-031 | 23A1459-54 | 1/25/2023 | 0800 |
| K2301289-032 | 23A1459-55 | 1/23/2023 | 1600 |
| K2301289-033 | 23A1459-56 | 1/26/2023 | 1305 |
| K2301289-034 | 23A1459-58 | 1/21/2023 | 1000 |
| K2301289-035 | 23A1459-59 | 1/21/2023 | 1645 |
| K2301289-036 | 23A1459-60 | 1/21/2023 | 1645 |
| K2301289-037 | 23A1459-62 | 1/27/2023 | 1326 |

NWDLS
North Water District Laboratory Services, Inc.

K2301289

# SUBCONTRACT ORDER

**Sending Laboratory:**

North Water District Laboratory Services, Inc.
130 South Trade Center Parkway
Conroe, TX 77385
Phone: 936-321-6060
Fax: 936-321-6061

Project Manager: Monica O. Martin

**Subcontracted Laboratory:**

ALS Kelso
1317 South 13th Avenue
Kelso, WA 98626
Phone: (360) 577-7222
Fax:

## Work Order: 23A1459

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-02** ***Marine Water Sampled: 01/25/2023 11:20*** | | | |
| Sub_CN T-4500 | 02/02/2023 | 02/08/2023 11:20 | |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-03** ***Marine Water Sampled: 01/25/2023 14:17*** | | | |
| Sub_CN T-4500 | 02/02/2023 | 02/08/2023 14:17 | |
| *Analyte(s):* Total Cyanide | | | |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-04** ***Marine Water Sampled: 01/25/2023 15:45*** | | | |
| Sub_CN T-4500 | 02/02/2023 | 02/08/2023 15:45 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/01/2023 15:45 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-05** ***Marine Water Sampled: 01/27/2023 12:00*** | | | |
| Sub_CN T-4500 | 02/02/2023 | 02/10/2023 12:00 | |
| *Analyte(s):* Total Cyanide | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/03/2023 12:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-16** ***Sediment Sampled: 01/16/2023 14:20*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 01/30/2023 14:20 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-17** ***Sediment Sampled: 01/17/2023 09:40*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 01/31/2023 09:40 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-18** ***Sediment Sampled: 01/17/2023 14:40*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 01/31/2023 14:40 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-20** ***Sediment Sampled: 01/16/2023 17:20*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 01/30/2023 17:20 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-21** ***Sediment Sampled: 01/17/2023 11:30*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 01/31/2023 11:30 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-22** | ***Sediment Sampled: 01/17/2023 16:30*** | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 01/31/2023 16:30 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-24** | ***Sediment Sampled: 01/19/2023 15:20*** | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/02/2023 15:20 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-25** | ***Sediment Sampled: 01/20/2023 11:00*** | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/03/2023 11:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-27** | ***Sediment Sampled: 01/19/2023 17:00*** | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/02/2023 17:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-28** | ***Sediment Sampled: 01/20/2023 12:50*** | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/03/2023 12:50 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-30** ***Sediment*** ***Sampled: 01/18/2023 09:40*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/01/2023 09:40 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-31** ***Sediment*** ***Sampled: 01/18/2023 14:00*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/01/2023 14:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-32** ***Sediment*** ***Sampled: 01/19/2023 09:20*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/02/2023 09:20 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-34** ***Sediment*** ***Sampled: 01/18/2023 11:15*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/01/2023 11:15 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-35** ***Sediment*** ***Sampled: 01/18/2023 15:45*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/01/2023 15:45 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-36** ***Sediment Sampled: 01/19/2023 11:10*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/02/2023 11:10 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-38** ***Sediment Sampled: 01/17/2023 14:12*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 01/31/2023 14:12 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-39** ***Sediment Sampled: 01/18/2023 09:25*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/01/2023 09:25 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-40** ***Sediment Sampled: 01/16/2023 16:37*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 01/30/2023 16:37 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-41** ***Sediment Sampled: 01/17/2023 09:20*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 01/31/2023 09:20 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

h2301289

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|

**Sample ID: 23A1459-43** ***Sediment Sampled: 01/18/2023 14:10***

| | | | |
|---|---|---|---|
| Sub_Organotins-TX1001 | 02/02/2023 | 02/01/2023 14:10 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

**Sample ID: 23A1459-44** ***Sediment Sampled: 01/19/2023 08:15***

| | | | |
|---|---|---|---|
| Sub_Organotins-TX1001 | 02/02/2023 | 02/02/2023 08:15 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

**Sample ID: 23A1459-45** ***Sediment Sampled: 01/20/2023 09:15***

| | | | |
|---|---|---|---|
| Sub_Organotins-TX1001 | 02/02/2023 | 02/03/2023 09:15 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

**Sample ID: 23A1459-48** ***Sediment Sampled: 01/20/2023 09:30***

| | | | |
|---|---|---|---|
| Sub_Organotins-TX1001 | 02/02/2023 | 02/03/2023 09:30 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

**Sample ID: 23A1459-49** ***Marine Water Sampled: 01/27/2023 16:07***

| | | | |
|---|---|---|---|
| Sub_CN T-4500 | 02/02/2023 | 02/10/2023 16:07 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/03/2023 16:07 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

NWDLS
North Water District Laboratory Services, Inc.

K2301289

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-50** ***Marine Water Sampled: 01/27/2023 15:20*** | | | |
| Sub_CN T-4500 | 02/02/2023 | 02/10/2023 15:20 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/03/2023 15:20 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-54** ***Sediment Sampled: 01/25/2023 08:00*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/08/2023 08:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-55** ***Sediment Sampled: 01/23/2023 16:00*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/06/2023 16:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-56** ***Sediment Sampled: 01/26/2023 13:05*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/09/2023 13:05 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-58** ***Sediment Sampled: 01/21/2023 10:00*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/04/2023 10:00 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

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North Water District Laboratory Services, Inc.

K2301289

# SUBCONTRACT ORDER
(Continued)

## Work Order: 23A1459 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23A1459-59** ***Sediment Sampled: 01/21/2023 16:45*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/04/2023 16:45 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-60** ***Sediment Sampled: 01/21/2023 16:45*** | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/04/2023 16:45 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |
| **Sample ID: 23A1459-62** ***Marine Water Sampled: 01/27/2023 13:26*** | | | |
| Sub_CN T-4500 | 02/02/2023 | 02/10/2023 13:26 | |
| *Analyte(s):* | | | |
| Total Cyanide | | | |
| Sub_Organotins-TX1001 | 02/02/2023 | 02/03/2023 13:26 | |
| *Analyte(s):* | | | |
| Dibutyltin | Monobutyltin | | Tributyltin |
| Dibutyltin | Monobutyltin | | Tributyltin |
| *Containers Supplied:* | | | |

Released By — 1/30/23 Date

UPS Received By — 1/30/23 Date

ALS 2/1/23 1030

PM UR

# Cooler Receipt and Preservation Form

Client NWDLS Service Request K23 01289

Received: 2/1/23 Opened: 2/1/23 By: VM Unloaded: 2/1/23 By: VM

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____

   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

| Temp Blank | Sample Temp | IR Gun | Cooler #/COC ID / NA | Out of temp Indicate with "X" | PM Notified If out of temp | Tracking Number NA | Filed |
|---|---|---|---|---|---|---|---|
| | 3.4 | IR01 | Cooler 1 | | | 1Z12W40V0198230011 | |
| | 0.5 | IR01 | Cooler 2 | | | 1Z12W40V0199466024 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column above:

   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N

   If no, were they received on ice and same day as collected? If not, notate the cooler # above and notify the PM. NA Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
14. Was C12/Res negative? NA Y N
15. Were samples received within the method specified time limit? If not, notate the error below and notify the PM NA Y N
16. Were 100ml sterile microbiology bottles filled exactly to the 100ml mark? NA Y N Underfilled Overfilled

| Sample ID on Bottle | Sample ID on COC | Identified by: |
|---|---|---|
| | | |
| | | |
| | | SHORT HOLD TIME |

| Sample ID | Bottle Count Bottle Type | Head-space | Broke | pH | Reagent | Volume added | Reagent Lot Number | Initials | Time |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Notes, Discrepancies, Resolutions: _____

# Miscellaneous Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

## Inorganic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| E | The result is an estimate amount because the value exceeded the instrument calibration range. |
| J | The result is an estimated value. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |
| H | The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory. |

## Metals Data Qualifiers

| | |
|---|---|
| # | The control limit criteria is not applicable. |
| J | The result is an estimated value. |
| E | The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample. |
| M | The duplicate injection precision was not met. |
| N | The Matrix Spike sample recovery is not within control limits. See case narrative. |
| S | The reported value was determined by the Method of Standard Additions (MSA). |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| W | The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a matrix interference. |
| X | See case narrative. |
| + | The correlation coefficient for the MSA is less than 0.995. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Organic Data Qualifiers

| | |
|---|---|
| * | The result is an outlier. See case narrative. |
| # | The control limit criteria is not applicable. See case narrative. |
| A | A tentatively identified compound, a suspected aldol-condensation product. |
| B | The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards. |
| C | The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data. |
| D | The reported result is from a dilution. |
| E | The result is an estimated value. |
| J | The result is an estimated value. |
| N | The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed. |
| P | The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. |
| U | The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution. |
| i | The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference. |
| X | See case narrative. |
| Q | See case narrative. One or more quality control criteria was outside the limits. |

## Additional Petroleum Hydrocarbon Specific Qualifiers

| | |
|---|---|
| F | The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard. |
| L | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard. |
| H | The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard. |
| O | The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard. |
| Y | The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard. |
| Z | The chromatographic fingerprint does not resemble a petroleum product. |

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso**
**State Certifications, Accreditations, and Licenses**

| Agency | Web Site | Number |
|---|---|---|
| Alaska DEH | http://dec.alaska.gov/eh/lab/cs/csapproval.htm | UST-040 |
| Arizona DHS | http://www.azdhs.gov/lab/license/env.htm | AZ0339 |
| Arkansas - DEQ | http://www.adeq.state.ar.us/techsvs/labcert.htm | 88-0637 |
| California DHS (ELAP) | http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx | 2795 |
| DOD ELAP | http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm | L16-58-R4 |
| Florida DOH | http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm | E87412 |
| Hawaii DOH | http://health.hawaii.gov/ | - |
| ISO 17025 | http://www.pjlabs.com/ | L16-57 |
| Louisiana DEQ | http://www.deq.louisiana.gov/page/la-lab-accreditation | 03016 |
| Maine DHS | http://www.maine.gov/dhhs/ | WA01276 |
| Minnesota DOH | http://www.health.state.mn.us/accreditation | 053-999-457 |
| Nevada DEP | http://ndep.nv.gov/bsdw/labservice.htm | WA01276 |
| New Jersey DEP | http://www.nj.gov/dep/enforcement/oqa.html | WA005 |
| New York - DOH | https://www.wadsworth.org/regulatory/elap | 12060 |
| North Carolina DEQ | https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification | 605 |
| Oklahoma DEQ | http://www.deq.state.ok.us/CSDnew/labcert.htm | 9801 |
| Oregon – DEQ (NELAP) | http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx | WA100010 |
| South Carolina DHEC | http://www.scdhec.gov/environment/EnvironmentalLabCertification/ | 61002 |
| Texas CEQ | http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html | T104704427 |
| Washington DOE | http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html | C544 |
| Wyoming (EPA Region 8) | https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water- | - |
| Kelso Laboratory Website | www.alsglobal.com | NA |

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

## Acronyms

| | |
|---|---|
| ASTM | American Society for Testing and Materials |
| A2LA | American Association for Laboratory Accreditation |
| CARB | California Air Resources Board |
| CAS Number | Chemical Abstract Service registry Number |
| CFC | Chlorofluorocarbon |
| CFU | Colony-Forming Unit |
| DEC | Department of Environmental Conservation |
| DEQ | Department of Environmental Quality |
| DHS | Department of Health Services |
| DOE | Department of Ecology |
| DOH | Department of Health |
| EPA | U. S. Environmental Protection Agency |
| ELAP | Environmental Laboratory Accreditation Program |
| GC | Gas Chromatography |
| GC/MS | Gas Chromatography/Mass Spectrometry |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| LUFT | Leaking Underground Fuel Tank |
| M | Modified |
| MCL | Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA. |
| MDL | Method Detection Limit |
| MPN | Most Probable Number |
| MRL | Method Reporting Limit |
| NA | Not Applicable |
| NC | Not Calculated |
| NCASI | National Council of the Paper Industry for Air and Stream Improvement |
| ND | Not Detected |
| NIOSH | National Institute for Occupational Safety and Health |
| PQL | Practical Quantitation Limit |
| RCRA | Resource Conservation and Recovery Act |
| SIM | Selected Ion Monitoring |
| TPH | Total Petroleum Hydrocarbons |
| tr | Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL. |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459/

**Sample Name:** 23A1459-02 **Date Collected:** 01/25/23
**Lab Code:** K2301289-001 **Date Received:** 02/1/23
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-03 **Date Collected:** 01/25/23
**Lab Code:** K2301289-002 **Date Received:** 02/1/23
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-04 **Date Collected:** 01/25/23
**Lab Code:** K2301289-003 **Date Received:** 02/1/23
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-05 **Date Collected:** 01/27/23
**Lab Code:** K2301289-004 **Date Received:** 02/1/23
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |
| SM 4500-CN- E | MRICH | MRICH |

Analyst Summary report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459/

**Sample Name:** 23A1459-16 **Date Collected:** 01/16/23
**Lab Code:** K2301289-005 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-17 **Date Collected:** 01/17/23
**Lab Code:** K2301289-006 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-18 **Date Collected:** 01/17/23
**Lab Code:** K2301289-007 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-20 **Date Collected:** 01/16/23
**Lab Code:** K2301289-008 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459/

**Sample Name:** 23A1459-21 **Date Collected:** 01/17/23
**Lab Code:** K2301289-009 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-22 **Date Collected:** 01/17/23
**Lab Code:** K2301289-010 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-24 **Date Collected:** 01/19/23
**Lab Code:** K2301289-011 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-25 **Date Collected:** 01/20/23
**Lab Code:** K2301289-012 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

Analyst Summary report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459/

**Sample Name:** 23A1459-27 **Date Collected:** 01/19/23
**Lab Code:** K2301289-013 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-28 **Date Collected:** 01/20/23
**Lab Code:** K2301289-014 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-30 **Date Collected:** 01/18/23
**Lab Code:** K2301289-015 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-31 **Date Collected:** 01/18/23
**Lab Code:** K2301289-016 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

Analyst Summary report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459/

**Sample Name:** 23A1459-32 **Date Collected:** 01/19/23
**Lab Code:** K2301289-017 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-34 **Date Collected:** 01/18/23
**Lab Code:** K2301289-018 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-35 **Date Collected:** 01/18/23
**Lab Code:** K2301289-019 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-36 **Date Collected:** 01/19/23
**Lab Code:** K2301289-020 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459/

**Sample Name:** 23A1459-38 **Date Collected:** 01/17/23
**Lab Code:** K2301289-021 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-39 **Date Collected:** 01/18/23
**Lab Code:** K2301289-022 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-40 **Date Collected:** 01/16/23
**Lab Code:** K2301289-023 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-41 **Date Collected:** 01/17/23
**Lab Code:** K2301289-024 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

Analyst Summary report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459/

**Sample Name:** 23A1459-43 **Date Collected:** 01/18/23
**Lab Code:** K2301289-025 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-44 **Date Collected:** 01/19/23
**Lab Code:** K2301289-026 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-45 **Date Collected:** 01/20/23
**Lab Code:** K2301289-027 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-48 **Date Collected:** 01/20/23
**Lab Code:** K2301289-028 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459/

**Sample Name:** 23A1459-49 **Date Collected:** 01/27/23
**Lab Code:** K2301289-029 **Date Received:** 02/1/23
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-50 **Date Collected:** 01/27/23
**Lab Code:** K2301289-030 **Date Received:** 02/1/23
**Sample Matrix:** Ocean Water

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |
| SM 4500-CN- E | MRICH | MRICH |

**Sample Name:** 23A1459-54 **Date Collected:** 01/25/23
**Lab Code:** K2301289-031 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | JMOORE | BBRIGHT |

**Sample Name:** 23A1459-55 **Date Collected:** 01/23/23
**Lab Code:** K2301289-032 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459/

**Sample Name:** 23A1459-56 **Date Collected:** 01/26/23
**Lab Code:** K2301289-033 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-58 **Date Collected:** 01/21/23
**Lab Code:** K2301289-034 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-59 **Date Collected:** 01/21/23
**Lab Code:** K2301289-035 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

**Sample Name:** 23A1459-60 **Date Collected:** 01/21/23
**Lab Code:** K2301289-036 **Date Received:** 02/1/23
**Sample Matrix:** Sediment

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| 160.3 Modified | | ZBIBI |
| ALS SOP | ZPRIM | BBRIGHT |

Analyst Summary report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459/ | | |

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-62 | **Date Collected:** | 01/27/23 |
| **Lab Code:** | K2301289-037 | **Date Received:** | 02/1/23 |
| **Sample Matrix:** | Ocean Water | | |

| Analysis Method | Extracted/Digested By | Analyzed By |
|---|---|---|
| ALS SOP | ZPRIM | BBRIGHT |
| SM 4500-CN- E | MRICH | MRICH |

# Sample Results

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/25/23 15:45 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-04 | **Units:** | ug/L |
| **Lab Code:** | K2301289-003 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.072** | 0.050 | 0.029 | 1 | 03/28/23 16:55 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/28/23 16:55 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/28/23 16:55 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 106 | 10 - 195 | 03/28/23 16:55 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/27/23 12:00 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-05 | **Units:** | ug/L |
| **Lab Code:** | K2301289-004 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.049 JP** | 0.050 | 0.029 | 1 | 03/28/23 17:11 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/28/23 17:11 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/28/23 17:11 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 97 | 10 - 195 | 03/28/23 17:11 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/16/23 14:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-16 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-005 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.39** | **J** | 1.3 | 0.35 | 1 | 03/09/23 14:25 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 1.3 | 0.26 | 1 | 03/09/23 14:25 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 1.3 | 0.58 | 1 | 03/09/23 14:25 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 102 | 10 - 152 | 03/09/23 14:25 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/16/23 14:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-16 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-005 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.29** | **J** | 0.99 | 0.26 | 1 | 03/09/23 14:25 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 0.99 | 0.19 | 1 | 03/09/23 14:25 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 0.99 | 0.43 | 1 | 03/09/23 14:25 | 2/2/23 | * |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 09:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-17 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-006 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.63** | **J** | 1.3 | 0.35 | 1 | 03/09/23 15:51 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 1.3 | 0.26 | 1 | 03/09/23 15:51 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 1.3 | 0.58 | 1 | 03/09/23 15:51 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 106 | 10 - 152 | 03/09/23 15:51 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 09:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-17 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-006 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.46** | **J** | 0.96 | 0.26 | 1 | 03/09/23 15:51 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 0.96 | 0.19 | 1 | 03/09/23 15:51 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 0.96 | 0.43 | 1 | 03/09/23 15:51 | 2/2/23 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 14:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-18 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-007 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **1.6** | 1.4 | 0.37 | 1 | 03/09/23 16:09 | 2/2/23 | * |
| Di-n-butyltin Cation | **1.4 JP** | 1.4 | 0.27 | 1 | 03/09/23 16:09 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 1.4 | 0.62 | 1 | 03/09/23 16:09 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 125 | 10 - 152 | 03/09/23 16:09 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 14:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-18 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-007 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **1.1** | 1.0 | 0.26 | 1 | 03/09/23 16:09 | 2/2/23 | * |
| Di-n-butyltin Cation | **0.95 JP** | 1.0 | 0.19 | 1 | 03/09/23 16:09 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 1.0 | 0.43 | 1 | 03/09/23 16:09 | 2/2/23 | * |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/16/23 17:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-20 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-008 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND Ui | 1.5 | 0.52 | 1 | 03/09/23 16:26 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 1.5 | 0.29 | 1 | 03/09/23 16:26 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 1.5 | 0.65 | 1 | 03/09/23 16:26 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 106 | 10 - 152 | 03/09/23 16:26 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/16/23 17:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-20 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-008 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND Ui | 0.99 | 0.35 | 1 | 03/09/23 16:26 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.99 | 0.19 | 1 | 03/09/23 16:26 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.99 | 0.43 | 1 | 03/09/23 16:26 | 2/2/23 | * |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 11:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-21 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-009 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.39** | **J** | 1.4 | 0.38 | 1 | 03/09/23 16:43 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 1.4 | 0.28 | 1 | 03/09/23 16:43 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 1.4 | 0.63 | 1 | 03/09/23 16:43 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 55 | 10 - 152 | 03/09/23 16:43 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 11:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-21 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-009 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.95 | 0.26 | 1 | 03/09/23 16:43 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.95 | 0.19 | 1 | 03/09/23 16:43 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.95 | 0.43 | 1 | 03/09/23 16:43 | 2/2/23 | * |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 16:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-22 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-010 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **1.1** | **J** | 1.7 | 0.44 | 1 | 03/09/23 17:00 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 1.7 | 0.32 | 1 | 03/09/23 17:00 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 1.7 | 0.72 | 1 | 03/09/23 17:00 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 100 | 10 - 152 | 03/09/23 17:00 | |

**ALS Group USA, Corp.**
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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 16:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-22 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-010 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.62** | **J** | 0.99 | 0.26 | 1 | 03/09/23 17:00 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 0.99 | 0.19 | 1 | 03/09/23 17:00 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 0.99 | 0.43 | 1 | 03/09/23 17:00 | 2/2/23 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 15:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-24 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-011 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.70** | **J** | 1.3 | 0.35 | 1 | 03/09/23 17:17 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 1.3 | 0.26 | 1 | 03/09/23 17:17 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 1.3 | 0.57 | 1 | 03/09/23 17:17 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 125 | 10 - 152 | 03/09/23 17:17 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 15:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-24 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-011 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.52** | **J** | 0.98 | 0.26 | 1 | 03/09/23 17:17 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 0.98 | 0.19 | 1 | 03/09/23 17:17 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 0.98 | 0.43 | 1 | 03/09/23 17:17 | 2/2/23 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 11:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-25 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-012 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.67** | **J** | 1.4 | 0.36 | 1 | 03/09/23 17:35 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 1.4 | 0.26 | 1 | 03/09/23 17:35 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 1.4 | 0.59 | 1 | 03/09/23 17:35 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 83 | 10 - 152 | 03/09/23 17:35 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 11:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-25 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-012 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.48** | **J** | 0.98 | 0.26 | 1 | 03/09/23 17:35 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 0.98 | 0.19 | 1 | 03/09/23 17:35 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 0.98 | 0.43 | 1 | 03/09/23 17:35 | 2/2/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 17:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-27 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-013 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.41** | **J** | 1.6 | 0.41 | 1 | 03/09/23 17:52 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 1.6 | 0.30 | 1 | 03/09/23 17:52 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 1.6 | 0.68 | 1 | 03/09/23 17:52 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 64 | 10 - 152 | 03/09/23 17:52 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 17:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-27 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-013 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.26** | **J** | 0.99 | 0.26 | 1 | 03/09/23 17:52 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 0.99 | 0.19 | 1 | 03/09/23 17:52 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 0.99 | 0.43 | 1 | 03/09/23 17:52 | 2/2/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 12:50 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-28 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-014 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.40** | **JP** | 1.4 | 0.37 | 1 | 03/09/23 18:09 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 1.4 | 0.27 | 1 | 03/09/23 18:09 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 1.4 | 0.61 | 1 | 03/09/23 18:09 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 156 | 10 - 152 | 03/09/23 18:09 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 12:50 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-28 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-014 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.27** | **JP** | 0.97 | 0.26 | 1 | 03/09/23 18:09 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 0.97 | 0.19 | 1 | 03/09/23 18:09 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 0.97 | 0.43 | 1 | 03/09/23 18:09 | 2/2/23 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 09:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-30 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-015 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.63 J** | 1.3 | 0.35 | 1 | 03/09/23 18:26 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 1.3 | 0.26 | 1 | 03/09/23 18:26 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 1.3 | 0.58 | 1 | 03/09/23 18:26 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 98 | 10 - 152 | 03/09/23 18:26 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 09:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-30 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-015 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.46** | **J** | 0.98 | 0.26 | 1 | 03/09/23 18:26 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 0.98 | 0.19 | 1 | 03/09/23 18:26 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 0.98 | 0.43 | 1 | 03/09/23 18:26 | 2/2/23 | * |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 14:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-31 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-016 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.51** | **J** | 1.4 | 0.38 | 1 | 03/09/23 18:43 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 1.4 | 0.28 | 1 | 03/09/23 18:43 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 1.4 | 0.63 | 1 | 03/09/23 18:43 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 107 | 10 - 152 | 03/09/23 18:43 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 14:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-31 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-016 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.35** | **J** | 0.99 | 0.26 | 1 | 03/09/23 18:43 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 0.99 | 0.19 | 1 | 03/09/23 18:43 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 0.99 | 0.43 | 1 | 03/09/23 18:43 | 2/2/23 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 09:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-32 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-017 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.53** | **J** | 1.2 | 0.32 | 1 | 03/09/23 19:34 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 1.2 | 0.24 | 1 | 03/09/23 19:34 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 1.2 | 0.53 | 1 | 03/09/23 19:34 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 73 | 10 - 152 | 03/09/23 19:34 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 09:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-32 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-017 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.41** | **J** | 0.95 | 0.26 | 1 | 03/09/23 19:34 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 0.95 | 0.19 | 1 | 03/09/23 19:34 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 0.95 | 0.43 | 1 | 03/09/23 19:34 | 2/2/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 11:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-34 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-018 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.3 | 0.36 | 1 | 03/09/23 19:51 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 1.3 | 0.26 | 1 | 03/09/23 19:51 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 1.3 | 0.59 | 1 | 03/09/23 19:51 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 96 | 10 - 152 | 03/09/23 19:51 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 11:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-34 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-018 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.99 | 0.26 | 1 | 03/09/23 19:51 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.99 | 0.19 | 1 | 03/09/23 19:51 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.99 | 0.43 | 1 | 03/09/23 19:51 | 2/2/23 | * |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 15:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-35 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-019 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.4 | 0.36 | 1 | 03/09/23 20:09 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 1.4 | 0.26 | 1 | 03/09/23 20:09 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 1.4 | 0.59 | 1 | 03/09/23 20:09 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 86 | 10 - 152 | 03/09/23 20:09 | |

**ALS Group USA, Corp.**
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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 15:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-35 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-019 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.97 | 0.26 | 1 | 03/09/23 20:09 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.97 | 0.19 | 1 | 03/09/23 20:09 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.97 | 0.43 | 1 | 03/09/23 20:09 | 2/2/23 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 11:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-36 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-020 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.4 | 0.38 | 1 | 03/09/23 20:26 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 1.4 | 0.28 | 1 | 03/09/23 20:26 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 1.4 | 0.63 | 1 | 03/09/23 20:26 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 72 | 10 - 152 | 03/09/23 20:26 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 11:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-36 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-020 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.99 | 0.26 | 1 | 03/09/23 20:26 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 0.99 | 0.19 | 1 | 03/09/23 20:26 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 0.99 | 0.43 | 1 | 03/09/23 20:26 | 2/2/23 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 14:12 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-38 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-021 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.5 | 0.39 | 1 | 03/09/23 09:17 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 1.5 | 0.28 | 1 | 03/09/23 09:17 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 1.5 | 0.64 | 1 | 03/09/23 09:17 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 86 | 10 - 152 | 03/09/23 09:17 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 14:12 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-38 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-021 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.96 | 0.26 | 1 | 03/09/23 09:17 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.96 | 0.19 | 1 | 03/09/23 09:17 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.96 | 0.43 | 1 | 03/09/23 09:17 | 2/2/23 | * |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 09:25 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-39 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-022 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **1.4 J** | 1.5 | 0.41 | 1 | 03/09/23 09:34 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 1.5 | 0.30 | 1 | 03/09/23 09:34 | 2/2/23 | * |
| Tri-n-butyltin Cation | **1.3 J** | 1.5 | 0.67 | 1 | 03/09/23 09:34 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 89 | 10 - 152 | 03/09/23 09:34 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 09:25 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-39 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-022 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.90** | **J** | 0.99 | 0.26 | 1 | 03/09/23 09:34 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 0.99 | 0.19 | 1 | 03/09/23 09:34 | 2/2/23 | * |
| Tri-n-butyltin Cation | **0.82** | **J** | 0.99 | 0.43 | 1 | 03/09/23 09:34 | 2/2/23 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/16/23 16:37 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-40 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-023 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.63 JP** | 1.2 | 0.32 | 1 | 03/09/23 10:09 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 1.2 | 0.24 | 1 | 03/09/23 10:09 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.53 | 1 | 03/09/23 10:09 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 89 | 10 - 152 | 03/09/23 10:09 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/16/23 16:37 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-40 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-023 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.50 JP** | 0.96 | 0.26 | 1 | 03/09/23 10:09 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.96 | 0.19 | 1 | 03/09/23 10:09 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.96 | 0.43 | 1 | 03/09/23 10:09 | 2/2/23 | * |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 09:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-41 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-024 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.33 | 1 | 03/09/23 10:26 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 1.2 | 0.24 | 1 | 03/09/23 10:26 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.54 | 1 | 03/09/23 10:26 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 82 | 10 - 152 | 03/09/23 10:26 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 09:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-41 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-024 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.98 | 0.26 | 1 | 03/09/23 10:26 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.98 | 0.19 | 1 | 03/09/23 10:26 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.98 | 0.43 | 1 | 03/09/23 10:26 | 2/2/23 | * |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 14:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-43 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-025 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.59** | **J** | 1.2 | 0.31 | 1 | 03/09/23 11:17 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 1.2 | 0.23 | 1 | 03/09/23 11:17 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 1.2 | 0.50 | 1 | 03/09/23 11:17 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 109 | 10 - 152 | 03/09/23 11:17 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 14:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-43 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-025 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.50** | **J** | 0.99 | 0.26 | 1 | 03/09/23 11:17 | 2/2/23 | * |
| Di-n-butyltin Cation | ND | U | 0.99 | 0.19 | 1 | 03/09/23 11:17 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND | U | 0.99 | 0.43 | 1 | 03/09/23 11:17 | 2/2/23 | * |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 08:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-44 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-026 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.30 | 1 | 03/09/23 11:34 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 1.2 | 0.22 | 1 | 03/09/23 11:34 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.50 | 1 | 03/09/23 11:34 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 64 | 10 - 152 | 03/09/23 11:34 | |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 08:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-44 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-026 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.97 | 0.26 | 1 | 03/09/23 11:34 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 0.97 | 0.19 | 1 | 03/09/23 11:34 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 0.97 | 0.43 | 1 | 03/09/23 11:34 | 2/2/23 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 09:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-45 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-027 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.4 | 0.37 | 1 | 03/09/23 11:51 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 1.4 | 0.27 | 1 | 03/09/23 11:51 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 1.4 | 0.61 | 1 | 03/09/23 11:51 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 90 | 10 - 152 | 03/09/23 11:51 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 09:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-45 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-027 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.99 | 0.26 | 1 | 03/09/23 11:51 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 0.99 | 0.19 | 1 | 03/09/23 11:51 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 0.99 | 0.43 | 1 | 03/09/23 11:51 | 2/2/23 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 09:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-48 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-028 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.4 | 0.37 | 1 | 03/09/23 12:09 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 1.4 | 0.27 | 1 | 03/09/23 12:09 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 1.4 | 0.61 | 1 | 03/09/23 12:09 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 136 | 10 - 152 | 03/09/23 12:09 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 09:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-48 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-028 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.99 | 0.26 | 1 | 03/09/23 12:09 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 0.99 | 0.19 | 1 | 03/09/23 12:09 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 0.99 | 0.43 | 1 | 03/09/23 12:09 | 2/2/23 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/27/23 16:07 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-49 | **Units:** | ug/L |
| **Lab Code:** | K2301289-029 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 03/28/23 17:28 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/28/23 17:28 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/28/23 17:28 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 94 | 10 - 195 | 03/28/23 17:28 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/27/23 15:20 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-50 | **Units:** | ug/L |
| **Lab Code:** | K2301289-030 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.083** | 0.050 | 0.029 | 1 | 03/28/23 17:44 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/28/23 17:44 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/28/23 17:44 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 83 | 10 - 195 | 03/28/23 17:44 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/25/23 08:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-54 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-031 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.37 JP** | 1.2 | 0.32 | 1 | 03/28/23 18:17 | 2/6/23 | * |
| Di-n-butyltin Cation | ND U | 1.2 | 0.24 | 1 | 03/28/23 18:17 | 2/6/23 | * |
| Tri-n-butyltin Cation | **0.78 JP** | 1.2 | 0.53 | 1 | 03/28/23 18:17 | 2/6/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 84 | 10 - 152 | 03/28/23 18:17 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/25/23 08:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-54 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-031 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.30** | **J** | 0.97 | 0.26 | 1 | 03/28/23 18:17 | 2/6/23 | * |
| Di-n-butyltin Cation | ND | U | 0.97 | 0.19 | 1 | 03/28/23 18:17 | 2/6/23 | * |
| Tri-n-butyltin Cation | **0.62** | **JP** | 0.97 | 0.43 | 1 | 03/28/23 18:17 | 2/6/23 | * |

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**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/23/23 16:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-55 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-032 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.30 | 1 | 03/09/23 12:26 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 1.2 | 0.22 | 1 | 03/09/23 12:26 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.50 | 1 | 03/09/23 12:26 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 65 | 10 - 152 | 03/09/23 12:26 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/23/23 16:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-55 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-032 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.96 | 0.26 | 1 | 03/09/23 12:26 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 0.96 | 0.19 | 1 | 03/09/23 12:26 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 0.96 | 0.43 | 1 | 03/09/23 12:26 | 2/2/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/26/23 13:05 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-56 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-033 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.2 | 0.32 | 1 | 03/09/23 12:43 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 1.2 | 0.23 | 1 | 03/09/23 12:43 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 1.2 | 0.52 | 1 | 03/09/23 12:43 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 72 | 10 - 152 | 03/09/23 12:43 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/26/23 13:05 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-56 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-033 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.98 | 0.26 | 1 | 03/09/23 12:43 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 0.98 | 0.19 | 1 | 03/09/23 12:43 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 0.98 | 0.43 | 1 | 03/09/23 12:43 | 2/2/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 10:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-58 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-034 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **1.5** | | 1.2 | 0.31 | 1 | 03/09/23 13:00 | 2/2/23 | |
| Di-n-butyltin Cation | **0.75** | **J** | 1.2 | 0.22 | 1 | 03/09/23 13:00 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 1.2 | 0.50 | 1 | 03/09/23 13:00 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 84 | 10 - 152 | 03/09/23 13:00 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 10:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-58 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-034 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **1.3** | | 0.98 | 0.26 | 1 | 03/09/23 13:00 | 2/2/23 | |
| Di-n-butyltin Cation | **0.63** | **J** | 0.98 | 0.19 | 1 | 03/09/23 13:00 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 0.98 | 0.43 | 1 | 03/09/23 13:00 | 2/2/23 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 16:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-59 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-035 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 1.3 | 0.33 | 1 | 03/09/23 13:17 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 1.3 | 0.24 | 1 | 03/09/23 13:17 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 1.3 | 0.54 | 1 | 03/09/23 13:17 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 57 | 10 - 152 | 03/09/23 13:17 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 16:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-59 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-035 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.97 | 0.26 | 1 | 03/09/23 13:17 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 0.97 | 0.19 | 1 | 03/09/23 13:17 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 0.97 | 0.43 | 1 | 03/09/23 13:17 | 2/2/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 16:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-60 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-036 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.47** | **J** | 1.2 | 0.32 | 1 | 03/09/23 13:35 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 1.2 | 0.24 | 1 | 03/09/23 13:35 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 1.2 | 0.53 | 1 | 03/09/23 13:35 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 65 | 10 - 152 | 03/09/23 13:35 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 16:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-60 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-036 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.37** | **J** | 0.96 | 0.26 | 1 | 03/09/23 13:35 | 2/2/23 | |
| Di-n-butyltin Cation | ND | U | 0.96 | 0.19 | 1 | 03/09/23 13:35 | 2/2/23 | |
| Tri-n-butyltin Cation | ND | U | 0.96 | 0.43 | 1 | 03/09/23 13:35 | 2/2/23 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/27/23 13:26 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-62 | **Units:** | ug/L |
| **Lab Code:** | K2301289-037 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | **0.067** | 0.050 | 0.029 | 1 | 03/28/23 18:01 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/28/23 18:01 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/28/23 18:01 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 66 | 10 - 195 | 03/28/23 18:01 | |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/25/23 11:20 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-02 | **Basis:** | NA |
| **Lab Code:** | K2301289-001 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/04/23 15:04 | 02/04/23 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/25/23 14:17 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-03 | **Basis:** | NA |
| **Lab Code:** | K2301289-002 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/04/23 15:04 | 02/04/23 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/25/23 15:45 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-04 | **Basis:** | NA |
| **Lab Code:** | K2301289-003 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/04/23 15:04 | 02/04/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/27/23 12:00 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-05 | **Basis:** | NA |
| **Lab Code:** | K2301289-004 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/04/23 15:04 | 02/04/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/16/23 14:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-16 | **Basis:** | As Received |
| **Lab Code:** | K2301289-005 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **74.0** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 09:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-17 | **Basis:** | As Received |
| **Lab Code:** | K2301289-006 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **72.4** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 14:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-18 | **Basis:** | As Received |
| **Lab Code:** | K2301289-007 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **70.3** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/16/23 17:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-20 | **Basis:** | As Received |
| **Lab Code:** | K2301289-008 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **66.0** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 11:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-21 | **Basis:** | As Received |
| **Lab Code:** | K2301289-009 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **66.1** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 16:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-22 | **Basis:** | As Received |
| **Lab Code:** | K2301289-010 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **59.0** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 15:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-24 | **Basis:** | As Received |
| **Lab Code:** | K2301289-011 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **74.0** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 11:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-25 | **Basis:** | As Received |
| **Lab Code:** | K2301289-012 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **71.7** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 17:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-27 | **Basis:** | As Received |
| **Lab Code:** | K2301289-013 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **63.5** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 12:50 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-28 | **Basis:** | As Received |
| **Lab Code:** | K2301289-014 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **68.7** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 09:40 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-30 | **Basis:** | As Received |
| **Lab Code:** | K2301289-015 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **72.9** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 14:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-31 | **Basis:** | As Received |
| **Lab Code:** | K2301289-016 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **68.2** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 09:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-32 | **Basis:** | As Received |
| **Lab Code:** | K2301289-017 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **78.0** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 11:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-34 | **Basis:** | As Received |
| **Lab Code:** | K2301289-018 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **73.6** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 15:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-35 | **Basis:** | As Received |
| **Lab Code:** | K2301289-019 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **71.8** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 11:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-36 | **Basis:** | As Received |
| **Lab Code:** | K2301289-020 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **68.5** | Percent | - | - | 1 | 02/02/23 11:07 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 14:12 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-38 | **Basis:** | As Received |
| **Lab Code:** | K2301289-021 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **65.6** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 09:25 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-39 | **Basis:** | As Received |
| **Lab Code:** | K2301289-022 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **64.2** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/16/23 16:37 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-40 | **Basis:** | As Received |
| **Lab Code:** | K2301289-023 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **79.3** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/17/23 09:20 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-41 | **Basis:** | As Received |
| **Lab Code:** | K2301289-024 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **78.8** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 14:10 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-43 | **Basis:** | As Received |
| **Lab Code:** | K2301289-025 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **85.6** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/19/23 08:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-44 | **Basis:** | As Received |
| **Lab Code:** | K2301289-026 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **84.5** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 09:15 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-45 | **Basis:** | As Received |
| **Lab Code:** | K2301289-027 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **70.0** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/20/23 09:30 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-48 | **Basis:** | As Received |
| **Lab Code:** | K2301289-028 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **70.2** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/27/23 16:07 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-49 | **Basis:** | NA |
| **Lab Code:** | K2301289-029 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/04/23 15:04 | 02/04/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/27/23 15:20 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-50 | **Basis:** | NA |
| **Lab Code:** | K2301289-030 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/09/23 16:15 | 02/09/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/25/23 08:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-54 | **Basis:** | As Received |
| **Lab Code:** | K2301289-031 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **79.4** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/23/23 16:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-55 | **Basis:** | As Received |
| **Lab Code:** | K2301289-032 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **83.6** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/26/23 13:05 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-56 | **Basis:** | As Received |
| **Lab Code:** | K2301289-033 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **81.9** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 10:00 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-58 | **Basis:** | As Received |
| **Lab Code:** | K2301289-034 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **84.9** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 16:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-59 | **Basis:** | As Received |
| **Lab Code:** | K2301289-035 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **77.8** | Percent | - | - | 1 | 02/02/23 13:52 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/21/23 16:45 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-60 | **Basis:** | As Received |
| **Lab Code:** | K2301289-036 | | |

## Inorganic Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Q |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | **78.0** | Percent | - | - | 1 | 02/02/23 13:52 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/27/23 13:26 |
| **Sample Matrix:** | Ocean Water | **Date Received:** | 02/01/23 10:30 |
| **Sample Name:** | 23A1459-62 | **Basis:** | NA |
| **Lab Code:** | K2301289-037 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/09/23 16:15 | 02/09/23 | |

# QC Summary Forms

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

# Semivolatile Organic Compounds by GC

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459
**Sample Matrix:** Ocean Water

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** EPA 3520C

| Sample Name | Lab Code | Tri-n-propyltin 10-195 |
|---|---|---|
| 23A1459-04 | K2301289-003 | 106 |
| 23A1459-05 | K2301289-004 | 97 |
| 23A1459-49 | K2301289-029 | 94 |
| 23A1459-50 | K2301289-030 | 83 |
| 23A1459-62 | K2301289-037 | 66 |
| Method Blank | KQ2301926-01 | 72 |
| Lab Control Sample | KQ2301926-02 | 90 |
| Duplicate Lab Control Sample | KQ2301926-03 | 70 |

QA/QC Report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459
**Sample Matrix:** Sediment

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** Method

| Sample Name | Lab Code | Tri-n-propyltin 10-152 |
|---|---|---|
| 23A1459-16 | K2301289-005 | 102 |
| 23A1459-17 | K2301289-006 | 106 |
| 23A1459-18 | K2301289-007 | 125 |
| 23A1459-20 | K2301289-008 | 106 |
| 23A1459-21 | K2301289-009 | 55 |
| 23A1459-22 | K2301289-010 | 100 |
| 23A1459-24 | K2301289-011 | 125 |
| 23A1459-25 | K2301289-012 | 83 |
| 23A1459-27 | K2301289-013 | 64 |
| 23A1459-28 | K2301289-014 | 156* |
| 23A1459-30 | K2301289-015 | 98 |
| 23A1459-31 | K2301289-016 | 107 |
| 23A1459-32 | K2301289-017 | 73 |
| 23A1459-34 | K2301289-018 | 96 |
| 23A1459-35 | K2301289-019 | 86 |
| 23A1459-36 | K2301289-020 | 72 |
| 23A1459-38 | K2301289-021 | 86 |
| 23A1459-39 | K2301289-022 | 89 |
| 23A1459-40 | K2301289-023 | 89 |
| 23A1459-41 | K2301289-024 | 82 |
| 23A1459-43 | K2301289-025 | 109 |
| 23A1459-44 | K2301289-026 | 64 |
| 23A1459-45 | K2301289-027 | 90 |
| 23A1459-48 | K2301289-028 | 136 |
| 23A1459-54 | K2301289-031 | 84 |
| 23A1459-55 | K2301289-032 | 65 |
| 23A1459-56 | K2301289-033 | 72 |
| 23A1459-58 | K2301289-034 | 84 |
| 23A1459-59 | K2301289-035 | 57 |
| 23A1459-60 | K2301289-036 | 65 |
| Method Blank | KQ2301898-04 | 54 |
| Method Blank | KQ2302045-03 | 91 |
| Method Blank | KQ2304287-02 | 88 |
| Lab Control Sample | KQ2301898-03 | 69 |
| Lab Control Sample | KQ2302045-04 | 124 |
| Lab Control Sample | KQ2304287-03 | 37 |
| 23A1459-16 | KQ2301898-01 | 56 |

QA/QC Report

**Client:** North Water District Lab Services (NWDLS) **Service Request:** K2301289
**Project:** 23A1459
**Sample Matrix:** Sediment

## SURROGATE RECOVERY SUMMARY
### Butyltins

**Analysis Method:** ALS SOP
**Extraction Method:** Method

| Sample Name | Lab Code | Tri-n-propyltin 10-152 |
|---|---|---|
| 23A1459-16 | KQ2301898-02 | 91 |
| 23A1459-39 | KQ2304287-01 | 76 |

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QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/18/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 |
| | | **Date Analyzed:** | 03/9/23 |
| | | **Date Extracted:** | 02/2/23 |

## Matrix Spike Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-39 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-022 | **Basis:** | Dry |
| **Analysis Method:** | ALS SOP | | |
| **Prep Method:** | Method | | |

### Matrix Spike
KQ2304287-01

| Analyte Name | Sample Result | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| n-Butyltin Cation | 1.4 J | 26.2 | 24.1 | 103 | 10-200 |
| Di-n-butyltin Cation | ND U | 17.4 | 29.7 | 59 | 10-190 |
| Tri-n-butyltin Cation | 1.3 J | 29.2 | 34.5 | 81 | 10-186 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.**

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QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | 01/16/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 |
| | | **Date Analyzed:** | 03/9/23 |
| | | **Date Extracted:** | 02/2/23 |

**Duplicate Matrix Spike Summary**
**Butyltins**

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-16 | **Units:** | ug/Kg |
| **Lab Code:** | K2301289-005 | **Basis:** | Dry |
| **Analysis Method:** | ALS SOP | | |
| **Prep Method:** | Method | | |

| | | Matrix Spike KQ2301898-01 | | | Duplicate Matrix Spike KQ2301898-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Sample Result** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| n-Butyltin Cation | 0.39 J | 21.8 | 20.8 | 103 | 20.3 | 20.2 | 99 | 10-200 | 7 | 40 |
| Di-n-butyltin Cation | ND U | 24.4 | 25.5 | 95 | 21.0 | 24.8 | 85 | 10-190 | 15 | 40 |
| Tri-n-butyltin Cation | ND U | 25.5 | 29.7 | 86 | 24.3 | 28.8 | 84 | 10-186 | 5 | 40 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2301898-04 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.95 | 0.26 | 1 | 03/09/23 13:52 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 0.95 | 0.19 | 1 | 03/09/23 13:52 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 0.95 | 0.43 | 1 | 03/09/23 13:52 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 54 | 10 - 152 | 03/09/23 13:52 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2301898-04 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.95 | 0.26 | 1 | 03/09/23 13:52 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 0.95 | 0.19 | 1 | 03/09/23 13:52 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 0.95 | 0.43 | 1 | 03/09/23 13:52 | 2/2/23 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/L |
| **Lab Code:** | KQ2301926-01 | **Basis:** | NA |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** EPA 3520C

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.050 | 0.029 | 1 | 03/28/23 16:04 | 2/2/23 | * |
| Di-n-butyltin Cation | ND U | 0.050 | 0.0073 | 1 | 03/28/23 16:04 | 2/2/23 | * |
| Tri-n-butyltin Cation | ND U | 0.050 | 0.012 | 1 | 03/28/23 16:04 | 2/2/23 | * |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 72 | 10 - 195 | 03/28/23 16:04 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2302045-03 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.97 | 0.26 | 1 | 02/26/23 23:16 | 2/6/23 | |
| Di-n-butyltin Cation | ND U | 0.97 | 0.19 | 1 | 02/26/23 23:16 | 2/6/23 | |
| Tri-n-butyltin Cation | ND U | 0.97 | 0.43 | 1 | 02/26/23 23:16 | 2/6/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 91 | 10 - 152 | 02/26/23 23:16 | |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2302045-03 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.97 | 0.26 | 1 | 02/26/23 23:16 | 2/6/23 | |
| Di-n-butyltin Cation | ND U | 0.97 | 0.19 | 1 | 02/26/23 23:16 | 2/6/23 | |
| Tri-n-butyltin Cation | ND U | 0.97 | 0.43 | 1 | 02/26/23 23:16 | 2/6/23 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2304287-02 | **Basis:** | Dry |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.96 | 0.26 | 1 | 03/09/23 08:43 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 0.96 | 0.19 | 1 | 03/09/23 08:43 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 0.96 | 0.43 | 1 | 03/09/23 08:43 | 2/2/23 | |

| Surrogate Name | % Rec | Control Limits | Date Analyzed | Q |
|---|---|---|---|---|
| Tri-n-propyltin | 88 | 10 - 152 | 03/09/23 08:43 | |

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Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Sediment | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Units:** | ug/Kg |
| **Lab Code:** | KQ2304287-02 | **Basis:** | As Received |

## Butyltins

**Analysis Method:** ALS SOP
**Prep Method:** Method

| Analyte Name | Result | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | ND U | 0.96 | 0.26 | 1 | 03/09/23 08:43 | 2/2/23 | |
| Di-n-butyltin Cation | ND U | 0.96 | 0.19 | 1 | 03/09/23 08:43 | 2/2/23 | |
| Tri-n-butyltin Cation | ND U | 0.96 | 0.43 | 1 | 03/09/23 08:43 | 2/2/23 | |

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Analyzed:** | 03/09/23 |
| **Sample Matrix:** | Sediment | **Date Extracted:** | 02/02/23 |

## Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/Kg |
| **Prep Method:** | Method | **Basis:** | Dry |
| | | **Analysis Lot:** | 797467 |

### Lab Control Sample
### KQ2301898-03

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|
| Di-n-butyltin Cation | 26.3 | 19.2 | 137 | 10-190 |
| n-Butyltin Cation | 27.1 | 15.6 | 174 | 10-200 |
| Tri-n-butyltin Cation | 25.9 | 22.3 | 116 | 10-186 |

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Analyzed:** | 02/26/23 |
| **Sample Matrix:** | Sediment | **Date Extracted:** | 02/06/23 |

## Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/Kg |
| **Prep Method:** | Method | **Basis:** | Dry |
| | | **Analysis Lot:** | 796038 |

### Lab Control Sample
### KQ2302045-04

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|
| Di-n-butyltin Cation | 28.5 P | 19.2 | 149 | 10-190 |
| n-Butyltin Cation | 20.0 P | 15.6 | 128 | 10-200 |
| Tri-n-butyltin Cation | 30.7 | 22.3 | 138 | 10-186 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Analyzed:** | 03/09/23 |
| **Sample Matrix:** | Sediment | **Date Extracted:** | 02/02/23 |

## Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/Kg |
| **Prep Method:** | Method | **Basis:** | Dry |
| | | **Analysis Lot:** | 797477 |

### Lab Control Sample
### KQ2304287-03

| Analyte Name | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|
| Di-n-butyltin Cation | 15.4 | 19.2 | 81 | 10-190 |
| n-Butyltin Cation | 30.2 | 15.6 | 194 | 10-200 |
| Tri-n-butyltin Cation | 11.8 | 22.3 | 53 | 10-186 |

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Analyzed:** | 03/28/23 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 02/02/23 |

## Duplicate Lab Control Sample Summary
## Butyltins

| | | | |
|---|---|---|---|
| **Analysis Method:** | ALS SOP | **Units:** | ug/L |
| **Prep Method:** | EPA 3520C | **Basis:** | NA |
| | | **Analysis Lot:** | 799194 |

| | Lab Control Sample KQ2301926-02 | | | Duplicate Lab Control Sample KQ2301926-03 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Di-n-butyltin Cation | 0.317 | 0.383 | 83 | 0.292 | 0.383 | 76 | 10-200 | 8 | 30 |
| n-Butyltin Cation | 0.451 | 0.312 | 145 | 0.270 | 0.312 | 87 | 10-200 | 50 * | 30 |
| Tri-n-butyltin Cation | 0.346 | 0.446 | 78 | 0.298 | 0.446 | 67 | 10-200 | 15 | 30 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Ocean Water

**Service Request:** K2301289
**Date Collected:** 01/25/23 15:45
**Date Received:** 2/1/23

**Sample Name:** 23A1459-04
**Lab Code:** K2301289-003

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.029 | 0.072 | 0.098 | 31 | | 1 | 03/28/23 16:55 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Ocean Water

**Service Request:** K2301289
**Date Collected:** 01/27/23 12:00
**Date Received:** 2/1/23

**Sample Name:** 23A1459-05
**Lab Code:** K2301289-004

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.029 | 0.049 | 0.074 | 41 | JP | 1 | 03/28/23 17:11 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/16/23 14:20
**Date Received:** 2/1/23

**Sample Name:** 23A1459-16
**Lab Code:** K2301289-005

**Units:** ug/Kg
**Basis:** As Received
**Percent Solids:** 74.0

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.26 | 0.29 | 0.30 | 3 | J | 1 | 03/09/23 14:25 |
| n-Butyltin Cation | 0.35 | 0.39 | 0.40 | 3 | J | 1 | 03/09/23 14:25 |

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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/17/23 09:40
**Date Received:** 2/1/23

**Sample Name:** 23A1459-17
**Lab Code:** K2301289-006

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 72.4

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.35 | 0.63 | 0.63 | <1 | J | 1 | 03/09/23 15:51 |
| n-Butyltin Cation | 0.26 | 0.46 | 0.46 | <1 | J | 1 | 03/09/23 15:51 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/17/23 14:40
**Date Received:** 2/1/23

**Sample Name:** 23A1459-18
**Lab Code:** K2301289-007

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 70.3

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.27 | 1.4 | 2.8 | 67 | JP | 1 | 03/09/23 16:09 |
| Di-n-butyltin Cation | 0.19 | 0.95 | 1.9 | 67 | JP | 1 | 03/09/23 16:09 |
| n-Butyltin Cation | 0.26 | 1.1 | 1.4 | 24 | | 1 | 03/09/23 16:09 |
| n-Butyltin Cation | 0.37 | 1.6 | 2.0 | 22 | | 1 | 03/09/23 16:09 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/17/23 11:30
**Date Received:** 2/1/23

**Sample Name:** 23A1459-21
**Lab Code:** K2301289-009

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 66.1

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.38 | 0.39 | 0.48 | 21 | J | 1 | 03/09/23 16:43 |

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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/17/23 16:30
**Date Received:** 2/1/23

**Sample Name:** 23A1459-22
**Lab Code:** K2301289-010

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 59.0

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.44 | 1.1 | 1.2 | 9 | J | 1 | 03/09/23 17:00 |
| n-Butyltin Cation | 0.26 | 0.62 | 0.71 | 14 | J | 1 | 03/09/23 17:00 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/19/23 15:20
**Date Received:** 2/1/23

**Sample Name:** 23A1459-24
**Lab Code:** K2301289-011

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 74.0

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.35 | 0.70 | 0.88 | 23 | J | 1 | 03/09/23 17:17 |
| n-Butyltin Cation | 0.26 | 0.52 | 0.65 | 22 | J | 1 | 03/09/23 17:17 |

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Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/20/23 11:00
**Date Received:** 2/1/23

**Sample Name:** 23A1459-25
**Lab Code:** K2301289-012

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 71.7

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.36 | 0.67 | 0.74 | 10 | J | 1 | 03/09/23 17:35 |
| n-Butyltin Cation | 0.26 | 0.48 | 0.53 | 10 | J | 1 | 03/09/23 17:35 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/19/23 17:00
**Date Received:** 2/1/23

**Sample Name:** 23A1459-27
**Lab Code:** K2301289-013

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 63.5

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.41 | 0.41 | 0.47 | 14 | J | 1 | 03/09/23 17:52 |
| n-Butyltin Cation | 0.26 | 0.26 | 0.30 | 14 | J | 1 | 03/09/23 17:52 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/20/23 12:50
**Date Received:** 2/1/23

**Sample Name:** 23A1459-28
**Lab Code:** K2301289-014

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 68.7

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.37 | 0.40 | 0.98 | 84 | JP | 1 | 03/09/23 18:09 |
| n-Butyltin Cation | 0.26 | 0.27 | 0.68 | 86 | JP | 1 | 03/09/23 18:09 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/18/23 09:40
**Date Received:** 2/1/23

**Sample Name:** 23A1459-30
**Lab Code:** K2301289-015

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 72.9

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.35 | 0.63 | 0.77 | 20 | J | 1 | 03/09/23 18:26 |
| n-Butyltin Cation | 0.26 | 0.46 | 0.56 | 20 | J | 1 | 03/09/23 18:26 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/18/23 14:00
**Date Received:** 2/1/23

**Sample Name:** 23A1459-31
**Lab Code:** K2301289-016

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 68.2

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.38 | 0.51 | 0.55 | 8 | J | 1 | 03/09/23 18:43 |
| n-Butyltin Cation | 0.26 | 0.35 | 0.38 | 8 | J | 1 | 03/09/23 18:43 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/19/23 09:20
**Date Received:** 2/1/23

**Sample Name:** 23A1459-32
**Lab Code:** K2301289-017

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 78.0

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.32 | 0.53 | 0.59 | 11 | J | 1 | 03/09/23 19:34 |
| n-Butyltin Cation | 0.26 | 0.41 | 0.46 | 11 | J | 1 | 03/09/23 19:34 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/18/23 09:25
**Date Received:** 2/1/23

**Sample Name:** 23A1459-39
**Lab Code:** K2301289-022

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 64.2

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tri-n-butyltin Cation | 0.67 | 1.3 | 1.5 | 14 | J | 1 | 03/09/23 09:34 |
| Tri-n-butyltin Cation | 0.43 | 0.82 | 0.96 | 16 | J | 1 | 03/09/23 09:34 |
| n-Butyltin Cation | 0.26 | 0.90 | 1.1 | 20 | J | 1 | 03/09/23 09:34 |
| n-Butyltin Cation | 0.41 | 1.4 | 1.7 | 19 | J | 1 | 03/09/23 09:34 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/16/23 16:37
**Date Received:** 2/1/23

**Sample Name:** 23A1459-40
**Lab Code:** K2301289-023

**Units:** ug/Kg
**Basis:** As Received
**Percent Solids:** 79.3

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.26 | 0.50 | 0.95 | 62 | JP | 1 | 03/09/23 10:09 |
| n-Butyltin Cation | 0.32 | 0.63 | 1.2 | 62 | JP | 1 | 03/09/23 10:09 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/18/23 14:10
**Date Received:** 2/1/23

**Sample Name:** 23A1459-43
**Lab Code:** K2301289-025

**Units:** ug/Kg
**Basis:** As Received
**Percent Solids:** 85.6

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.26 | 0.50 | 0.54 | 8 | J | 1 | 03/09/23 11:17 |
| n-Butyltin Cation | 0.31 | 0.59 | 0.63 | 7 | J | 1 | 03/09/23 11:17 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Ocean Water

**Service Request:** K2301289
**Date Collected:** 01/27/23 15:20
**Date Received:** 2/1/23

**Sample Name:** 23A1459-50
**Lab Code:** K2301289-030

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.029 | 0.083 | 0.092 | 10 | | 1 | 03/28/23 17:44 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/25/23 08:00
**Date Received:** 2/1/23

**Sample Name:** 23A1459-54
**Lab Code:** K2301289-031

**Units:** ug/Kg
**Basis:** As Received
**Percent Solids:** 79.4

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tri-n-butyltin Cation | 0.43 | 0.62 | 0.94 | 41 | JP | 1 | 03/28/23 18:17 |
| Tri-n-butyltin Cation | 0.53 | 0.78 | 1.2 | 42 | JP | 1 | 03/28/23 18:17 |
| n-Butyltin Cation | 0.32 | 0.37 | 0.56 | 41 | JP | 1 | 03/28/23 18:17 |
| n-Butyltin Cation | 0.26 | 0.30 | 0.45 | 40 | J | 1 | 03/28/23 18:17 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/21/23 10:00
**Date Received:** 2/1/23

**Sample Name:** 23A1459-58
**Lab Code:** K2301289-034

**Units:** ug/Kg
**Basis:** As Received
**Percent Solids:** 84.9

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.19 | 0.63 | 0.72 | 13 | J | 1 | 03/09/23 13:00 |
| Di-n-butyltin Cation | 0.22 | 0.75 | 0.85 | 12 | J | 1 | 03/09/23 13:00 |
| n-Butyltin Cation | 0.31 | 1.5 | 1.5 | <1 | | 1 | 03/09/23 13:00 |
| n-Butyltin Cation | 0.26 | 1.3 | 1.3 | <1 | | 1 | 03/09/23 13:00 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/21/23 16:45
**Date Received:** 2/1/23

**Sample Name:** 23A1459-60
**Lab Code:** K2301289-036

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 78.0

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.32 | 0.47 | 0.50 | 6 | J | 1 | 03/09/23 13:35 |
| n-Butyltin Cation | 0.26 | 0.37 | 0.39 | 5 | J | 1 | 03/09/23 13:35 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Ocean Water

**Service Request:** K2301289
**Date Collected:** 01/27/23 13:26
**Date Received:** 2/1/23

**Sample Name:** 23A1459-62
**Lab Code:** K2301289-037

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| n-Butyltin Cation | 0.029 | 0.067 | 0.076 | 13 | | 1 | 03/28/23 18:01 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/16/23 14:20
**Date Received:** 2/1/23

**Sample Name:** 23A1459-16
**Lab Code:** KQ2301898-01

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 74.0

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.26 | 24.4 | 25.1 | 3 | | 1 | 03/09/23 14:42 |
| Tri-n-butyltin Cation | 0.58 | 25.5 | 26.0 | 2 | | 1 | 03/09/23 14:42 |
| n-Butyltin Cation | 0.35 | 21.8 | 25.0 | 14 | | 1 | 03/09/23 14:42 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/16/23 14:20
**Date Received:** 2/1/23

**Sample Name:** 23A1459-16
**Lab Code:** KQ2301898-02

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 74.0

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.25 | 21.0 | 21.6 | 3 | | 1 | 03/09/23 15:00 |
| Tri-n-butyltin Cation | 0.56 | 24.3 | 24.4 | <1 | | 1 | 03/09/23 15:00 |
| n-Butyltin Cation | 0.34 | 20.3 | 23.7 | 15 | | 1 | 03/09/23 15:00 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2301898-03

**Units:** ug/Kg
**Basis:** Dry

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.19 | 26.3 | 27.0 | 3 | | 1 | 03/09/23 14:09 |
| Tri-n-butyltin Cation | 0.43 | 25.9 | 26.1 | <1 | | 1 | 03/09/23 14:09 |
| n-Butyltin Cation | 0.26 | 27.1 | 30.4 | 11 | | 1 | 03/09/23 14:09 |

**ALS Group USA, Corp.**
**dba ALS Environmental**

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Ocean Water

**Service Request:** K2301289
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2301926-02

**Units:** ug/L
**Basis:** NA

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.317 | 0.325 | 2 | | 1 | 03/28/23 16:22 |
| Tri-n-butyltin Cation | 0.012 | 0.346 | 0.375 | 8 | | 1 | 03/28/23 16:22 |
| n-Butyltin Cation | 0.029 | 0.451 | 0.453 | <1 | | 1 | 03/28/23 16:22 |

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Confirmation Results

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Matrix:** | Ocean Water | **Date Received:** | |
| **Sample Name:** | Duplicate Lab Control Sample | | |
| **Lab Code:** | KQ2301926-03 | **Units:** | ug/L |
| | | **Basis:** | NA |

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** EPA 3520C

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.0073 | 0.292 | 0.316 | 8 | | 1 | 03/28/23 16:39 |
| Tri-n-butyltin Cation | 0.012 | 0.298 | 0.345 | 15 | | 1 | 03/28/23 16:39 |
| n-Butyltin Cation | 0.029 | 0.270 | 0.308 | 13 | | 1 | 03/28/23 16:39 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** NA
**Date Received:**

**Sample Name:** Lab Control Sample
**Lab Code:** KQ2302045-04

**Units:** ug/Kg
**Basis:** Dry

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.19 | 28.5 | 42.8 | 40 | P | 1 | 02/26/23 23:33 |
| Tri-n-butyltin Cation | 0.43 | 30.7 | 39.6 | 25 | | 1 | 02/26/23 23:33 |
| n-Butyltin Cation | 0.26 | 20.0 | 48.6 | 83 | P | 1 | 02/26/23 23:33 |

Confirmation Results

**Client:** North Water District Lab Services (NWDLS)
**Project:** 23A1459
**Matrix:** Sediment

**Service Request:** K2301289
**Date Collected:** 01/18/23 09:25
**Date Received:** 2/1/23

**Sample Name:** 23A1459-39
**Lab Code:** KQ2304287-01

**Units:** ug/Kg
**Basis:** Dry
**Percent Solids:** 64.2

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.30 | 17.4 | 20.1 | 14 | | 1 | 03/09/23 09:51 |
| Tri-n-butyltin Cation | 0.67 | 29.2 | 29.6 | 1 | | 1 | 03/09/23 09:51 |
| n-Butyltin Cation | 0.41 | 26.2 | 31.0 | 17 | | 1 | 03/09/23 09:51 |

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Confirmation Results

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Matrix:** | Sediment | **Date Received:** | |
| **Sample Name:** | Lab Control Sample | | |
| **Lab Code:** | KQ2304287-03 | | |

**Units:** ug/Kg
**Basis:** Dry

## Butyltins

**Analytical Method:** ALS SOP
**Prep Method:** Method

| | MDL | Primary Result | Confirmation Result | RPD | Q | Dilution Factor | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Di-n-butyltin Cation | 0.19 | 15.4 | 16.2 | 5 | | 1 | 03/09/23 09:00 |
| Tri-n-butyltin Cation | 0.43 | 11.8 | 11.9 | <1 | | 1 | 03/09/23 09:00 |
| n-Butyltin Cation | 0.26 | 30.2 | 34.7 | 14 | | 1 | 03/09/23 09:00 |

# General Chemistry

**ALS Environmental—Kelso Laboratory**
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2301289-MB1 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/04/23 15:04 | 02/04/23 | |

Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Collected:** | NA |
| **Sample Matrix:** | Ocean Water | **Date Received:** | NA |
| **Sample Name:** | Method Blank | **Basis:** | NA |
| **Lab Code:** | K2301289-MB2 | | |

## General Chemistry Parameters

| Analyte Name | Analysis Method | Result | Units | MRL | MDL | Dil. | Date Analyzed | Date Extracted | Q |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Total | SM 4500-CN- E | ND U | mg/L | 0.020 | 0.0005 | 1 | 02/09/23 16:15 | 02/09/23 | |

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QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project** | 23A1459 | **Date Collected:** | 01/16/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 |
| | | **Date Analyzed:** | 02/02/23 |

## Replicate Sample Summary
## Inorganic Parameters

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-16 | **Units:** | Percent |
| **Lab Code:** | K2301289-005 | **Basis:** | As Received |

| Analyte Name | Analysis Method | MRL | MDL | Sample Result | Duplicate Sample K2301289-005DUP Result | Average | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | - | - | 74.0 | 74.5 | 74.3 | <1 | 20 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**ALS Group USA, Corp.**

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QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project** | 23A1459 | **Date Collected:** | 01/19/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 |
| | | **Date Analyzed:** | 02/02/23 |

## Replicate Sample Summary
## Inorganic Parameters

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-36 | **Units:** | Percent |
| **Lab Code:** | K2301289-020 | **Basis:** | As Received |

| Analyte Name | Analysis Method | MRL | MDL | Sample Result | Duplicate Sample K2301289-020DUP Result | Average | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | - | - | 68.5 | 72.5 | 70.5 | 6 | 20 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**ALS Group USA, Corp.**

**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project** | 23A1459 | **Date Collected:** | 01/17/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 |
| | | **Date Analyzed:** | 02/02/23 |

## Replicate Sample Summary
## Inorganic Parameters

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-38 | **Units:** | Percent |
| **Lab Code:** | K2301289-021 | **Basis:** | As Received |

| Analyte Name | Analysis Method | MRL | MDL | Sample Result | Duplicate Sample K2301289-021DUP Result | Average | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | - | - | 65.6 | 66.8 | 66.2 | 2 | 20 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**ALS Group USA, Corp.**

**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project** | 23A1459 | **Date Collected:** | 01/21/23 |
| **Sample Matrix:** | Sediment | **Date Received:** | 02/01/23 |
| | | **Date Analyzed:** | 02/02/23 |

## Replicate Sample Summary
## Inorganic Parameters

| | | | |
|---|---|---|---|
| **Sample Name:** | 23A1459-60 | **Units:** | Percent |
| **Lab Code:** | K2301289-036 | **Basis:** | As Received |

| Analyte Name | Analysis Method | MRL | MDL | Sample Result | Duplicate Sample K2301289-036DUP Result | Average | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Solids, Total | 160.3 Modified | - | - | 78.0 | 78.1 | 78.1 | <1 | 20 |

**Results flagged with an asterisk (*) indicate values outside control criteria.**

**Results flagged with a pound (#) indicate the control criteria is not applicable.**

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

**ALS Group USA, Corp.**
**dba ALS Environmental**

QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Analyzed:** | 02/09/23 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 02/09/23 |

## Lab Control Sample Summary
## Cyanide, Total

| | | | |
|---|---|---|---|
| **Analysis Method:** | SM 4500-CN- E | **Units:** | mg/L |
| **Prep Method:** | SM 4500-CN-C | **Basis:** | NA |
| | | **Analysis Lot:** | 794191 |

| Sample Name | Lab Code | Result | Spike Amount | % Rec | % Rec Limits |
|---|---|---|---|---|---|
| Lab Control Sample | K2301289-LCS2 | 0.0734 | 0.075 | 98 | 84-115 |

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QA/QC Report

| | | | |
|---|---|---|---|
| **Client:** | North Water District Lab Services (NWDLS) | **Service Request:** | K2301289 |
| **Project:** | 23A1459 | **Date Analyzed:** | 02/04/23 |
| **Sample Matrix:** | Ocean Water | **Date Extracted:** | 02/04/23 |

## Duplicate Lab Control Sample Summary
## General Chemistry Parameters

| | | | |
|---|---|---|---|
| **Analysis Method:** | SM 4500-CN- E | **Units:** | mg/L |
| **Prep Method:** | SM 4500-CN-C | **Basis:** | NA |
| | | **Analysis Lot:** | 793766 |

| | Lab Control Sample K2301289-LCS1 | | | Duplicate Lab Control Sample K2301289-DLCS1 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Analyte Name** | **Result** | **Spike Amount** | **% Rec** | **Result** | **Spike Amount** | **% Rec** | **% Rec Limits** | **RPD** | **RPD Limit** |
| Cyanide, Total | 0.076 | 0.075 | 101 | 0.079 | 0.075 | 106 | 84-115 | 4 | 20 |

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

June 16, 2023

# LAB REPORT

Gregg Pawlak
Terracon_Houston
11555 Clay Road
Houston, TX 77043

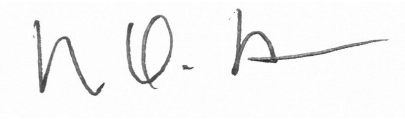
Report ID: 20230616110422MM

RE: PCCA CDP TISSUE CHEM

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Monica O. Martin
Chief Administrative Officer

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Work Order Case Narrative

A total of 36 samples were collected on:

| Laboratory ID | Sample Name | Sample Date |
|---|---|---|
| 23E2848-01 | MM-CDP-06-1 | 04/01/2023 11:00 |
| 23E2848-02 | MM-CDP-06-2 | 04/01/2023 11:00 |
| 23E2848-03 | MM-CDP-06-3 | 04/01/2023 11:00 |
| 23E2848-04 | MM-CDP-06-4 | 04/01/2023 11:00 |
| 23E2848-05 | MM-CDP-06-5 | 04/01/2023 11:00 |
| 23E2848-06 | MM-CDP-07-1 | 04/01/2023 11:00 |
| 23E2848-07 | MM-CDP-07-2 | 04/01/2023 11:00 |
| 23E2848-08 | MM-CDP-07-3 | 04/01/2023 11:00 |
| 23E2848-09 | MM-CDP-07-4 | 04/01/2023 11:00 |
| 23E2848-10 | MM-CDP-07-5 | 04/01/2023 11:00 |
| 23E2848-11 | MM-REF-1 | 04/01/2023 11:00 |
| 23E2848-12 | MM-REF-2 | 04/01/2023 11:00 |
| 23E2848-13 | MM-REF-3 | 04/01/2023 11:00 |
| 23E2848-14 | MM-REF-4 | 04/01/2023 11:00 |
| 23E2848-15 | MM-REF-5 | 04/01/2023 11:00 |
| 23E2848-16 | MM-CDP-PRETEST-1 | 04/01/2023 11:00 |
| 23E2848-17 | MM-CDP-PRETEST-2 | 04/01/2023 11:00 |
| 23E2848-18 | MM-CDP-PRETEST-3 | 04/01/2023 11:00 |
| 23E2848-19 | NV-CDP-06-1 | 04/01/2023 13:00 |
| 23E2848-20 | NV-CDP-06-2 | 04/01/2023 13:00 |
| 23E2848-21 | NV-CDP-06-3 | 04/01/2023 13:00 |
| 23E2848-22 | NV-CDP-06-4 | 04/01/2023 13:00 |
| 23E2848-23 | NV-CDP-06-5 | 04/01/2023 13:00 |
| 23E2848-24 | NV-CDP-07-1 | 04/01/2023 13:00 |
| 23E2848-25 | NV-CDP-07-2 | 04/01/2023 13:00 |
| 23E2848-26 | NV-CDP-07-3 | 04/01/2023 13:00 |
| 23E2848-27 | NV-CDP-07-4 | 04/01/2023 13:00 |
| 23E2848-28 | NV-CDP-07-5 | 04/01/2023 13:00 |
| 23E2848-29 | NV-REF-1 | 04/01/2023 13:00 |
| 23E2848-30 | NV-REF-2 | 04/01/2023 13:00 |
| 23E2848-31 | NV-REF-3 | 04/01/2023 13:00 |
| 23E2848-32 | NV-REF-4 | 04/01/2023 13:00 |
| 23E2848-33 | NV-REF-5 | 04/01/2023 13:00 |
| 23E2848-34 | NV-CDP-PRETEST-1 | 04/01/2023 13:00 |
| 23E2848-35 | NV-CDP-PRETEST-2 | 04/01/2023 13:00 |
| 23E2848-36 | NV-CDP-PRETEST-3 | 04/01/2023 13:00 |

Samples were received and accepted at NWDLS on 05/10/2023 15:00. Samples were held in freezer storage until digestion and/or extraction began for all tests, including subcontracted tests. Any receiving discrepancies are recorded and stored in NWDLS' database. The samples received a Work Order of 23E2848. The lab sample IDs, client sample IDs, and dates of collection can be found at the top of each result page.

NWDLS provided their lowest detection limit for all requested analyses. Note that detection and reporting limits are adjusted to account for sample specific parameters.

Any QC that did not meet the laboratory specified control limits was flagged and reported with qualifiers. For additional

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Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

information, please refer to the included quality control data pages.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
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TCEQ T104704238-23-39

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results

Client Sample ID: MM-CDP-06-1
Lab Sample ID: 23E2848-01
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 43.8 | V | ug/kg | 1 | 4.71 | 4.71 | BGE4170 | 06/05/2023 02:34 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *14.7%* | *S* | *60-140* | | | | | *06/05/2023 02:34* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *57.1%* | *S* | *60-140* | | | | | *06/05/2023 02:34* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *64.6%* | | *60-140* | | | | | *06/05/2023 02:34* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00161 | U | mg/kg | 1 | 0.00161 | 0.0200 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Arsenic | N | 1.09 | | mg/kg | 1 | 0.00246 | 0.0100 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Beryllium | N | 0.00122 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2506 | 06/08/2023 15:40 | TBB |
| EPA 200.8 | Cadmium | N | 0.0406 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Chromium | N | 0.0481 | V, J | mg/kg | 1 | 0.00147 | 0.0600 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Copper | N | 1.15 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2506 | 06/02/2023 09:58 | TBB |
| SW-7471B | Mercury | A | <0.00492 | U | mg/kg | 1 | 0.00492 | 0.00984 | BGE3654 | 06/07/2023 13:28 | AKR |
| EPA 200.8 | Lead | N | 0.0265 | V | mg/kg | 1 | 0.00151 | 0.0100 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Nickel | N | 0.343 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Selenium | N | 0.151 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Thallium | N | 0.000360 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Zinc | N | 11.2 | V | mg/kg | 5 | 0.0376 | 0.200 | BGE2506 | 06/08/2023 15:50 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.6 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results

**(Continued)**

Client Sample ID: MM-CDP-06-1
Lab Sample ID: 23E2848-01RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0167 | | mg/kg | 1 | 0.000141 | 0.00992 | BGF0506 | 06/09/2023 13:24 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-2
Lab Sample ID: 23E2848-02
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 49.7 | V | ug/kg | 1 | 4.91 | 4.91 | BGE4170 | 06/05/2023 02:00 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *39.0%* | *S* | *60-140* | | | | | *06/05/2023 02:00* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *75.0%* | | *60-140* | | | | | *06/05/2023 02:00* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *69.8%* | | *60-140* | | | | | *06/05/2023 02:00* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00160 | U | mg/kg | 1 | 0.00160 | 0.0198 | BGE2506 | 06/02/2023 10:13 | TBB |
| EPA 200.8 | Arsenic | N | 1.01 | A | mg/kg | 5 | 0.0122 | 0.0496 | BGE2506 | 06/02/2023 10:23 | TBB |
| EPA 200.8 | Beryllium | N | 0.00153 | J | mg/kg | 1 | 0.000198 | 0.00397 | BGE2506 | 06/08/2023 15:52 | TBB |
| EPA 200.8 | Cadmium | N | 0.0427 | | mg/kg | 1 | 0.000627 | 0.0198 | BGE2506 | 06/02/2023 10:13 | TBB |
| EPA 200.8 | Chromium | N | 0.0329 | A, V, J | mg/kg | 5 | 0.00729 | 0.298 | BGE2506 | 06/02/2023 10:23 | TBB |
| EPA 200.8 | Copper | N | 1.16 | A, V | mg/kg | 5 | 0.00863 | 0.0992 | BGE2506 | 06/02/2023 10:23 | TBB |
| SW-7471B | Mercury | A | <0.00496 | U | mg/kg | 1 | 0.00496 | 0.00992 | BGE3654 | 06/07/2023 13:32 | AKR |
| EPA 200.8 | Lead | N | 0.0295 | V | mg/kg | 1 | 0.00150 | 0.00992 | BGE2506 | 06/02/2023 10:13 | TBB |
| EPA 200.8 | Nickel | N | 0.365 | A, V | mg/kg | 5 | 0.00176 | 0.0992 | BGE2506 | 06/02/2023 10:23 | TBB |
| EPA 200.8 | Selenium | N | 0.160 | A | mg/kg | 1 | 0.0218 | 0.0397 | BGE2506 | 06/02/2023 10:13 | TBB |
| EPA 200.8 | Thallium | N | 0.000397 | J | mg/kg | 1 | 0.000137 | 0.00992 | BGE2506 | 06/02/2023 10:13 | TBB |
| EPA 200.8 | Zinc | N | 11.8 | V | mg/kg | 10 | 0.0745 | 0.397 | BGE2506 | 06/08/2023 12:40 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.4 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-02RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0148 | | mg/kg | 1 | 0.000139 | 0.00980 | BGF0506 | 06/09/2023 13:31 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-3
Lab Sample ID: 23E2848-03
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 3.46 | V | ug/kg | 1 | 2.34 | 2.34 | BGE4170 | 06/05/2023 03:09 | KRB |
| SW-8270 | Phenol, Total | A | 49.4 | V | ug/kg | 1 | 4.68 | 4.68 | BGE4170 | 06/05/2023 03:09 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *16.3%* | *S* | *60-140* | | | | | *06/05/2023 03:09* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *60.2%* | | *60-140* | | | | | *06/05/2023 03:09* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *66.8%* | | *60-140* | | | | | *06/05/2023 03:09* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00160 | U | mg/kg | 1 | 0.00160 | 0.0199 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Arsenic | N | 1.00 | | mg/kg | 1 | 0.00245 | 0.00996 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Beryllium | N | 0.00165 | J | mg/kg | 1 | 0.000199 | 0.00398 | BGE2506 | 06/08/2023 15:57 | TBB |
| EPA 200.8 | Cadmium | N | 0.0405 | | mg/kg | 1 | 0.000629 | 0.0199 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Chromium | N | 0.0341 | V, J | mg/kg | 1 | 0.00146 | 0.0598 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Copper | N | 1.01 | V | mg/kg | 1 | 0.00173 | 0.0199 | BGE2506 | 06/02/2023 10:25 | TBB |
| SW-7471B | Mercury | A | <0.00465 | U | mg/kg | 1 | 0.00465 | 0.00930 | BGE3654 | 06/07/2023 13:35 | AKR |
| EPA 200.8 | Lead | N | 0.0299 | V | mg/kg | 1 | 0.00150 | 0.00996 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Nickel | N | 0.359 | V | mg/kg | 1 | 0.000353 | 0.0199 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Selenium | N | 0.143 | | mg/kg | 1 | 0.0219 | 0.0398 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Thallium | N | 0.000558 | J | mg/kg | 1 | 0.000137 | 0.00996 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Zinc | N | 12.2 | V | mg/kg | 10 | 0.0748 | 0.398 | BGE2506 | 06/08/2023 12:43 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 9.19 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-03RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0119 | | mg/kg | 1 | 0.000139 | 0.00977 | BGF0506 | 06/09/2023 13:34 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-4
Lab Sample ID: 23E2848-04
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 48.3 | V | ug/kg | 1 | 4.50 | 4.50 | BGE4170 | 06/05/2023 03:44 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *20.5%* | *S* | *60-140* | | | | | *06/05/2023 03:44* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *59.3%* | *S* | *60-140* | | | | | *06/05/2023 03:44* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *62.9%* | | *60-140* | | | | | *06/05/2023 03:44* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00161 | U | mg/kg | 1 | 0.00161 | 0.0200 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Arsenic | N | 1.11 | | mg/kg | 1 | 0.00246 | 0.0100 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Beryllium | N | 0.00120 | J | mg/kg | 5 | 0.00100 | 0.0200 | BGE2506 | 06/08/2023 12:53 | TBB |
| EPA 200.8 | Cadmium | N | 0.0353 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Chromium | N | 0.0375 | V, J | mg/kg | 1 | 0.00147 | 0.0600 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Copper | N | 0.955 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2506 | 06/02/2023 10:30 | TBB |
| SW-7471B | Mercury | A | <0.00465 | U | mg/kg | 1 | 0.00465 | 0.00930 | BGE3654 | 06/07/2023 13:38 | AKR |
| EPA 200.8 | Lead | N | 0.0334 | V | mg/kg | 1 | 0.00151 | 0.0100 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Nickel | N | 0.252 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Selenium | N | 0.143 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Thallium | N | 0.000340 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Zinc | N | 9.96 | V | mg/kg | 5 | 0.0376 | 0.200 | BGE2506 | 06/08/2023 12:53 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.5 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-04RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0106 | | mg/kg | 1 | 0.000139 | 0.00977 | BGF0506 | 06/09/2023 13:36 | TBB |

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|---|---|---|
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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-5
Lab Sample ID: 23E2848-05
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 68.5 | V | ug/kg | 1 | 4.73 | 4.73 | BGE4170 | 06/05/2023 04:18 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *7.95%* | *S* | *60-140* | | | | | *06/05/2023 04:18* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *69.5%* | | *60-140* | | | | | *06/05/2023 04:18* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *74.5%* | | *60-140* | | | | | *06/05/2023 04:18* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00160 | U | mg/kg | 1 | 0.00160 | 0.0199 | BGE2506 | 06/02/2023 10:35 | TBB |
| EPA 200.8 | Arsenic | N | 0.996 | A | mg/kg | 5 | 0.0123 | 0.0498 | BGE2506 | 06/02/2023 10:38 | TBB |
| EPA 200.8 | Beryllium | N | 0.00143 | J | mg/kg | 1 | 0.000199 | 0.00398 | BGE2506 | 06/08/2023 12:55 | TBB |
| EPA 200.8 | Cadmium | N | 0.0454 | | mg/kg | 1 | 0.000629 | 0.0199 | BGE2506 | 06/02/2023 10:35 | TBB |
| EPA 200.8 | Chromium | N | 0.0311 | A, V, J | mg/kg | 5 | 0.00732 | 0.299 | BGE2506 | 06/02/2023 10:38 | TBB |
| EPA 200.8 | Copper | N | 1.17 | A, V | mg/kg | 5 | 0.00867 | 0.0996 | BGE2506 | 06/02/2023 10:38 | TBB |
| SW-7471B | Mercury | A | <0.00484 | U | mg/kg | 1 | 0.00484 | 0.00968 | BGE3654 | 06/07/2023 13:41 | AKR |
| EPA 200.8 | Lead | N | 0.0327 | V | mg/kg | 1 | 0.00150 | 0.00996 | BGE2506 | 06/02/2023 10:35 | TBB |
| EPA 200.8 | Nickel | N | 0.333 | A, V | mg/kg | 5 | 0.00176 | 0.0996 | BGE2506 | 06/02/2023 10:38 | TBB |
| EPA 200.8 | Selenium | N | 0.155 | A | mg/kg | 1 | 0.0219 | 0.0398 | BGE2506 | 06/02/2023 10:35 | TBB |
| EPA 200.8 | Thallium | N | 0.000359 | J | mg/kg | 1 | 0.000137 | 0.00996 | BGE2506 | 06/02/2023 10:35 | TBB |
| EPA 200.8 | Zinc | N | 11.7 | V | mg/kg | 5 | 0.0374 | 0.199 | BGE2506 | 06/08/2023 12:58 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.9 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-05RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0171 | | mg/kg | 1 | 0.000140 | 0.00988 | BGF0506 | 06/09/2023 13:39 | TBB |

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## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-1
Lab Sample ID: 23E2848-06
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 5.96 | V | ug/kg | 1 | 2.41 | 2.41 | BGE4170 | 06/05/2023 04:53 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 6.11 | V | ug/kg | 1 | 2.41 | 2.41 | BGE4170 | 06/05/2023 04:53 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <2.41 | U | ug/kg | 1 | 2.41 | 2.41 | BGE4170 | 06/05/2023 04:53 | KRB |
| SW-8270 | Phenol, Total | A | 74.2 | V | ug/kg | 1 | 4.83 | 4.83 | BGE4170 | 06/05/2023 04:53 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *16.3%* | *S* | *60-140* | | | | | *06/05/2023 04:53* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *42.5%* | *S* | *60-140* | | | | | *06/05/2023 04:53* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *72.1%* | | *60-140* | | | | | *06/05/2023 04:53* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *84.3%* | | *60-140* | | | | | *06/05/2023 04:53* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *78.2%* | | *60-140* | | | | | *06/05/2023 04:53* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *43.0%* | *S* | *60-140* | | | | | *06/05/2023 04:53* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00162 | U | mg/kg | 1 | 0.00162 | 0.0201 | BGE2506 | 06/02/2023 10:40 | TBB |
| EPA 200.8 | Arsenic | N | 1.24 | A | mg/kg | 5 | 0.0123 | 0.0502 | BGE2506 | 06/02/2023 10:42 | TBB |
| EPA 200.8 | Beryllium | N | 0.00157 | J | mg/kg | 1 | 0.000201 | 0.00402 | BGE2506 | 06/08/2023 13:10 | TBB |
| EPA 200.8 | Cadmium | N | 0.0526 | | mg/kg | 1 | 0.000635 | 0.0201 | BGE2506 | 06/02/2023 10:40 | TBB |
| EPA 200.8 | Chromium | N | 0.0292 | A, V, J | mg/kg | 5 | 0.00738 | 0.301 | BGE2506 | 06/02/2023 10:42 | TBB |
| EPA 200.8 | Copper | N | 1.35 | A, V | mg/kg | 5 | 0.00873 | 0.100 | BGE2506 | 06/02/2023 10:42 | TBB |
| SW-7471B | Mercury | A | <0.00484 | U | mg/kg | 1 | 0.00484 | 0.00968 | BGE3654 | 06/07/2023 13:45 | AKR |
| EPA 200.8 | Lead | N | 0.0492 | V | mg/kg | 1 | 0.00152 | 0.0100 | BGE2506 | 06/02/2023 10:40 | TBB |
| EPA 200.8 | Nickel | N | 0.334 | A, V | mg/kg | 5 | 0.00178 | 0.100 | BGE2506 | 06/02/2023 10:42 | TBB |
| EPA 200.8 | Selenium | N | 0.187 | A | mg/kg | 1 | 0.0221 | 0.0402 | BGE2506 | 06/02/2023 10:40 | TBB |
| EPA 200.8 | Thallium | N | 0.000622 | J | mg/kg | 1 | 0.000139 | 0.0100 | BGE2506 | 06/02/2023 10:40 | TBB |
| EPA 200.8 | Zinc | N | 12.4 | V | mg/kg | 5 | 0.0377 | 0.201 | BGE2506 | 06/08/2023 13:12 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 11.9 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-07-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-06RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0148 | | mg/kg | 1 | 0.000140 | 0.00988 | BGF0506 | 06/09/2023 15:19 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-2
Lab Sample ID: 23E2848-07
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 10.0 | V | ug/kg | 1 | 2.44 | 2.44 | BGE4170 | 06/05/2023 05:28 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 6.18 | V | ug/kg | 1 | 2.44 | 2.44 | BGE4170 | 06/05/2023 05:28 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <2.44 | U | ug/kg | 1 | 2.44 | 2.44 | BGE4170 | 06/05/2023 05:28 | KRB |
| SW-8270 | Phenol, Total | A | 77.8 | V | ug/kg | 1 | 4.88 | 4.88 | BGE4170 | 06/05/2023 05:28 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *23.2%* | *S* | *60-140* | | | | | *06/05/2023 05:28* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *47.5%* | *S* | *60-140* | | | | | *06/05/2023 05:28* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *76.1%* | | *60-140* | | | | | *06/05/2023 05:28* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *94.0%* | | *60-140* | | | | | *06/05/2023 05:28* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *93.4%* | | *60-140* | | | | | *06/05/2023 05:28* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *50.4%* | *S* | *60-140* | | | | | *06/05/2023 05:28* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00161 | U | mg/kg | 1 | 0.00161 | 0.0200 | BGE2506 | 06/02/2023 10:45 | TBB |
| EPA 200.8 | Arsenic | N | 1.20 | A | mg/kg | 5 | 0.0123 | 0.0500 | BGE2506 | 06/02/2023 10:55 | TBB |
| EPA 200.8 | Beryllium | N | 0.00166 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2506 | 06/08/2023 13:15 | TBB |
| EPA 200.8 | Cadmium | N | 0.0712 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2506 | 06/02/2023 10:45 | TBB |
| EPA 200.8 | Chromium | N | 0.0428 | A, V, J | mg/kg | 5 | 0.00735 | 0.300 | BGE2506 | 06/02/2023 10:55 | TBB |
| EPA 200.8 | Copper | N | 1.41 | A, V | mg/kg | 5 | 0.00870 | 0.100 | BGE2506 | 06/02/2023 10:55 | TBB |
| SW-7471B | Mercury | A | <0.00500 | U | mg/kg | 1 | 0.00500 | 0.0100 | BGE3654 | 06/07/2023 13:55 | AKR |
| EPA 200.8 | Lead | N | 0.0488 | V | mg/kg | 1 | 0.00151 | 0.0100 | BGE2506 | 06/02/2023 10:45 | TBB |
| EPA 200.8 | Nickel | N | 0.393 | A, V | mg/kg | 5 | 0.00177 | 0.100 | BGE2506 | 06/02/2023 10:55 | TBB |
| EPA 200.8 | Selenium | N | 0.197 | A | mg/kg | 1 | 0.0220 | 0.0400 | BGE2506 | 06/02/2023 10:45 | TBB |
| EPA 200.8 | Thallium | N | 0.000500 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2506 | 06/02/2023 10:45 | TBB |
| EPA 200.8 | Zinc | N | 13.9 | V | mg/kg | 5 | 0.0376 | 0.200 | BGE2506 | 06/08/2023 13:17 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.3 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-07-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-07RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0184 | | mg/kg | 1 | 0.000138 | 0.00969 | BGF0506 | 06/09/2023 15:21 | TBB |

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## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-3
Lab Sample ID: 23E2848-08
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 8.80 | V | ug/kg | 1 | 2.18 | 2.18 | BGE4170 | 06/05/2023 06:02 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 6.23 | V | ug/kg | 1 | 2.18 | 2.18 | BGE4170 | 06/05/2023 06:02 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <2.18 | U | ug/kg | 1 | 2.18 | 2.18 | BGE4170 | 06/05/2023 06:02 | KRB |
| SW-8270 | Phenol, Total | A | 67.9 | V | ug/kg | 1 | 4.36 | 4.36 | BGE4170 | 06/05/2023 06:02 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *20.0%* | *S* | *60-140* | | | | | *06/05/2023 06:02* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *43.3%* | *S* | *60-140* | | | | | *06/05/2023 06:02* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *75.7%* | | *60-140* | | | | | *06/05/2023 06:02* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *76.9%* | | *60-140* | | | | | *06/05/2023 06:02* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *84.9%* | | *60-140* | | | | | *06/05/2023 06:02* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *49.4%* | *S* | *60-140* | | | | | *06/05/2023 06:02* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00161 | U | mg/kg | 1 | 0.00161 | 0.0200 | BGE2506 | 06/02/2023 15:42 | TBB |
| EPA 200.8 | Arsenic | N | 1.23 | | mg/kg | 1 | 0.00246 | 0.0100 | BGE2506 | 06/02/2023 10:57 | TBB |
| EPA 200.8 | Beryllium | N | 0.00154 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2506 | 06/08/2023 13:22 | TBB |
| EPA 200.8 | Cadmium | N | 0.0573 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2506 | 06/02/2023 10:57 | TBB |
| EPA 200.8 | Chromium | N | 0.0239 | V, J | mg/kg | 1 | 0.00147 | 0.0600 | BGE2506 | 06/02/2023 10:57 | TBB |
| EPA 200.8 | Copper | N | 1.18 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2506 | 06/02/2023 10:57 | TBB |
| SW-7471B | Mercury | A | <0.00469 | U | mg/kg | 1 | 0.00469 | 0.00937 | BGE3654 | 06/07/2023 13:58 | AKR |
| EPA 200.8 | Lead | N | 0.0409 | V | mg/kg | 1 | 0.00151 | 0.0100 | BGE2506 | 06/02/2023 15:42 | TBB |
| EPA 200.8 | Nickel | N | 0.359 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2506 | 06/02/2023 10:57 | TBB |
| EPA 200.8 | Selenium | N | 0.190 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2506 | 06/08/2023 13:22 | TBB |
| EPA 200.8 | Thallium | N | 0.000440 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2506 | 06/02/2023 10:57 | TBB |
| EPA 200.8 | Zinc | N | 12.2 | V | mg/kg | 5 | 0.0376 | 0.200 | BGE2506 | 06/08/2023 13:25 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.9 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-07-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-08RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0144 | | mg/kg | 1 | 0.000141 | 0.00992 | BGF0506 | 06/09/2023 15:24 | TBB |

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## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-4
Lab Sample ID: 23E2848-09
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 8.66 | V | ug/kg | 1 | 2.30 | 2.30 | BGE4170 | 06/05/2023 06:37 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 5.56 | V | ug/kg | 1 | 2.30 | 2.30 | BGE4170 | 06/05/2023 06:37 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <2.30 | U | ug/kg | 1 | 2.30 | 2.30 | BGE4170 | 06/05/2023 06:37 | KRB |
| SW-8270 | Phenol, Total | A | 88.8 | V | ug/kg | 1 | 4.60 | 4.60 | BGE4170 | 06/05/2023 06:37 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *12.1%* | *S* | *60-140* | | | | | *06/05/2023 06:37* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *46.1%* | *S* | *60-140* | | | | | *06/05/2023 06:37* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *70.3%* | | *60-140* | | | | | *06/05/2023 06:37* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *76.8%* | | *60-140* | | | | | *06/05/2023 06:37* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *76.3%* | | *60-140* | | | | | *06/05/2023 06:37* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *45.2%* | *S* | *60-140* | | | | | *06/05/2023 06:37* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00160 | U | mg/kg | 1 | 0.00160 | 0.0199 | BGE2506 | 06/02/2023 15:47 | TBB |
| EPA 200.8 | Arsenic | N | 0.971 | A | mg/kg | 5 | 0.0123 | 0.0498 | BGE2506 | 06/02/2023 11:05 | TBB |
| EPA 200.8 | Beryllium | N | 0.00137 | J | mg/kg | 1 | 0.000199 | 0.00398 | BGE2506 | 06/08/2023 13:27 | TBB |
| EPA 200.8 | Cadmium | N | 0.0563 | | mg/kg | 1 | 0.000629 | 0.0199 | BGE2506 | 06/02/2023 11:02 | TBB |
| EPA 200.8 | Chromium | N | 0.0258 | A, V, J | mg/kg | 5 | 0.00732 | 0.299 | BGE2506 | 06/02/2023 11:05 | TBB |
| EPA 200.8 | Copper | N | 1.26 | A, V | mg/kg | 5 | 0.00867 | 0.0996 | BGE2506 | 06/02/2023 11:05 | TBB |
| SW-7471B | Mercury | A | <0.00484 | U | mg/kg | 1 | 0.00484 | 0.00968 | BGE3654 | 06/07/2023 14:01 | AKR |
| EPA 200.8 | Lead | N | 0.0475 | V | mg/kg | 1 | 0.00150 | 0.00996 | BGE2506 | 06/02/2023 15:47 | TBB |
| EPA 200.8 | Nickel | N | 0.336 | A, V | mg/kg | 5 | 0.00176 | 0.0996 | BGE2506 | 06/02/2023 11:05 | TBB |
| EPA 200.8 | Selenium | N | 0.176 | | mg/kg | 1 | 0.0219 | 0.0398 | BGE2506 | 06/08/2023 13:27 | TBB |
| EPA 200.8 | Thallium | N | 0.000438 | J | mg/kg | 1 | 0.000137 | 0.00996 | BGE2506 | 06/02/2023 11:02 | TBB |
| EPA 200.8 | Zinc | N | 12.8 | V | mg/kg | 5 | 0.0374 | 0.199 | BGE2506 | 06/08/2023 13:30 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.7 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-07-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-09RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0151 | | mg/kg | 1 | 0.000140 | 0.00984 | BGF0506 | 06/09/2023 15:26 | TBB |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-5
Lab Sample ID: 23E2848-10
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 8.33 | V | ug/kg | 1 | 2.39 | 2.39 | BGE4170 | 06/05/2023 07:11 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 5.42 | V | ug/kg | 1 | 2.39 | 2.39 | BGE4170 | 06/05/2023 07:11 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <2.39 | U | ug/kg | 1 | 2.39 | 2.39 | BGE4170 | 06/05/2023 07:11 | KRB |
| SW-8270 | Phenol, Total | A | 80.9 | V | ug/kg | 1 | 4.78 | 4.78 | BGE4170 | 06/05/2023 07:11 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *12.0%* | *S* | *60-140* | | | | | *06/05/2023 07:11* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *40.5%* | *S* | *60-140* | | | | | *06/05/2023 07:11* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *73.8%* | | *60-140* | | | | | *06/05/2023 07:11* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *82.1%* | | *60-140* | | | | | *06/05/2023 07:11* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *73.5%* | | *60-140* | | | | | *06/05/2023 07:11* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *31.3%* | *S* | *60-140* | | | | | *06/05/2023 07:11* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00160 | U | mg/kg | 1 | 0.00160 | 0.0198 | BGE2506 | 06/02/2023 15:52 | TBB |
| EPA 200.8 | Arsenic | N | 1.18 | | mg/kg | 1 | 0.00244 | 0.00992 | BGE2506 | 06/15/2023 12:33 | TBB |
| EPA 200.8 | Beryllium | N | 0.00113 | J | mg/kg | 1 | 0.000198 | 0.00397 | BGE2506 | 06/08/2023 13:42 | TBB |
| EPA 200.8 | Cadmium | N | 0.0550 | | mg/kg | 1 | 0.000627 | 0.0198 | BGE2506 | 06/02/2023 11:07 | TBB |
| EPA 200.8 | Chromium | N | 0.0362 | V, J | mg/kg | 1 | 0.00146 | 0.0595 | BGE2506 | 06/02/2023 15:52 | TBB |
| EPA 200.8 | Copper | N | 1.31 | V | mg/kg | 1 | 0.00173 | 0.0198 | BGE2506 | 06/02/2023 15:52 | TBB |
| SW-7471B | Mercury | A | <0.00500 | U | mg/kg | 1 | 0.00500 | 0.0100 | BGE3654 | 06/07/2023 14:05 | AKR |
| EPA 200.8 | Lead | N | 0.0433 | V | mg/kg | 1 | 0.00150 | 0.00992 | BGE2506 | 06/02/2023 15:52 | TBB |
| EPA 200.8 | Nickel | N | 0.337 | V | mg/kg | 1 | 0.000351 | 0.0198 | BGE2506 | 06/02/2023 15:52 | TBB |
| EPA 200.8 | Selenium | N | 0.168 | | mg/kg | 1 | 0.0218 | 0.0397 | BGE2506 | 06/08/2023 13:42 | TBB |
| EPA 200.8 | Thallium | N | 0.000357 | J | mg/kg | 1 | 0.000137 | 0.00992 | BGE2506 | 06/02/2023 11:07 | TBB |
| EPA 200.8 | Zinc | N | 11.3 | V | mg/kg | 5 | 0.0373 | 0.198 | BGE2506 | 06/08/2023 13:44 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 9.80 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-07-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-10RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0133 | | mg/kg | 1 | 0.000140 | 0.00984 | BGF0506 | 06/09/2023 15:29 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-1
Lab Sample ID: 23E2848-11
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 6.50 | V | ug/kg | 1 | 2.31 | 2.31 | BGE4145 | 06/01/2023 07:56 | KRB |
| SW-8270 | Phenol, Total | A | 59.7 | V | ug/kg | 1 | 4.63 | 4.63 | BGE4145 | 06/01/2023 07:56 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *25.7%* | *S* | *60-140* | | | | | *06/01/2023 07:56* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *63.8%* | | *60-140* | | | | | *06/01/2023 07:56* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *74.8%* | | *60-140* | | | | | *06/01/2023 07:56* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *87.0%* | | *60-140* | | | | | *06/01/2023 07:56* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *53.7%* | *S* | *60-140* | | | | | *06/01/2023 07:56* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *47.6%* | *S* | *60-140* | | | | | *06/01/2023 07:56* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00161 | U | mg/kg | 1 | 0.00161 | 0.0200 | BGE2506 | 06/02/2023 15:57 | TBB |
| EPA 200.8 | Arsenic | N | 1.24 | | mg/kg | 1 | 0.00246 | 0.0100 | BGE2506 | 06/15/2023 12:38 | TBB |
| EPA 200.8 | Beryllium | N | 0.00120 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2506 | 06/08/2023 13:49 | TBB |
| EPA 200.8 | Cadmium | N | 0.0450 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2506 | 06/02/2023 11:12 | TBB |
| EPA 200.8 | Chromium | N | 0.0415 | V, J | mg/kg | 1 | 0.00147 | 0.0600 | BGE2506 | 06/02/2023 15:57 | TBB |
| EPA 200.8 | Copper | N | 1.42 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2506 | 06/02/2023 15:57 | TBB |
| SW-7471B | Mercury | A | <0.00469 | U | mg/kg | 1 | 0.00469 | 0.00937 | BGE3654 | 06/07/2023 14:08 | AKR |
| EPA 200.8 | Lead | N | 0.0463 | V | mg/kg | 1 | 0.00151 | 0.0100 | BGE2506 | 06/02/2023 15:57 | TBB |
| EPA 200.8 | Nickel | N | 0.341 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2506 | 06/02/2023 15:57 | TBB |
| EPA 200.8 | Selenium | N | 0.181 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2506 | 06/08/2023 13:49 | TBB |
| EPA 200.8 | Thallium | N | 0.000340 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2506 | 06/02/2023 11:12 | TBB |
| EPA 200.8 | Zinc | N | 11.5 | V | mg/kg | 5 | 0.0376 | 0.200 | BGE2506 | 06/08/2023 13:52 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 11.2 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-1
Lab Sample ID: 23E2848-11RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 6.14 | V | ug/kg | 1 | 2.31 | 2.31 | BGE4145 | 06/05/2023 18:43 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.31 | U | ug/kg | 1 | 2.31 | 2.31 | BGE4145 | 06/05/2023 18:43 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *29.8%* | *S* | *60-140* | | | | | *06/05/2023 18:43* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *68.9%* | | *60-140* | | | | | *06/05/2023 18:43* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *85.3%* | | *60-140* | | | | | *06/05/2023 18:43* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *100%* | | *60-140* | | | | | *06/05/2023 18:43* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *90.0%* | | *60-140* | | | | | *06/05/2023 18:43* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *77.7%* | | *60-140* | | | | | *06/05/2023 18:43* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0155 | | mg/kg | 1 | 0.000138 | 0.00973 | BGF0506 | 06/09/2023 15:31 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-2
Lab Sample ID: 23E2848-12
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 6.47 | V | ug/kg | 1 | 2.30 | 2.30 | BGE4145 | 06/01/2023 08:30 | KRB |
| SW-8270 | Phenol, Total | A | 57.3 | V | ug/kg | 1 | 4.60 | 4.60 | BGE4145 | 06/01/2023 08:30 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *22.2%* | *S* | *60-140* | | | | | *06/01/2023 08:30* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *56.3%* | *S* | *60-140* | | | | | *06/01/2023 08:30* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *74.0%* | | *60-140* | | | | | *06/01/2023 08:30* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *83.0%* | | *60-140* | | | | | *06/01/2023 08:30* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *53.9%* | *S* | *60-140* | | | | | *06/01/2023 08:30* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *43.1%* | *S* | *60-140* | | | | | *06/01/2023 08:30* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00162 | U | mg/kg | 1 | 0.00162 | 0.0201 | BGE2506 | 06/02/2023 16:19 | TBB |
| EPA 200.8 | Arsenic | N | 1.22 | | mg/kg | 1 | 0.00247 | 0.0100 | BGE2506 | 06/02/2023 11:34 | TBB |
| EPA 200.8 | Beryllium | N | 0.00147 | J | mg/kg | 1 | 0.000201 | 0.00402 | BGE2506 | 06/08/2023 14:19 | TBB |
| EPA 200.8 | Cadmium | N | 0.0508 | | mg/kg | 1 | 0.000635 | 0.0201 | BGE2506 | 06/02/2023 11:34 | TBB |
| EPA 200.8 | Chromium | N | 0.0310 | V, J | mg/kg | 1 | 0.00148 | 0.0602 | BGE2506 | 06/02/2023 11:34 | TBB |
| EPA 200.8 | Copper | N | 1.25 | V | mg/kg | 1 | 0.00175 | 0.0201 | BGE2506 | 06/02/2023 11:34 | TBB |
| SW-7471B | Mercury | A | <0.00469 | U | mg/kg | 1 | 0.00469 | 0.00937 | BGE3654 | 06/07/2023 13:18 | AKR |
| EPA 200.8 | Lead | N | 0.0389 | V | mg/kg | 1 | 0.00152 | 0.0100 | BGE2506 | 06/02/2023 16:19 | TBB |
| EPA 200.8 | Nickel | N | 0.385 | V | mg/kg | 1 | 0.000355 | 0.0201 | BGE2506 | 06/02/2023 11:34 | TBB |
| EPA 200.8 | Selenium | N | 0.197 | | mg/kg | 1 | 0.0221 | 0.0402 | BGE2506 | 06/08/2023 14:19 | TBB |
| EPA 200.8 | Thallium | N | 0.000341 | J | mg/kg | 1 | 0.000139 | 0.0100 | BGE2506 | 06/02/2023 11:34 | TBB |
| EPA 200.8 | Zinc | N | 12.5 | V | mg/kg | 5 | 0.0377 | 0.201 | BGE2506 | 06/08/2023 14:21 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.8 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: MM-REF-2
Lab Sample ID: 23E2848-12RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 7.84 | V | ug/kg | 1 | 2.30 | 2.30 | BGE4145 | 06/05/2023 19:17 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.30 | U | ug/kg | 1 | 2.30 | 2.30 | BGE4145 | 06/05/2023 19:17 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *27.3%* | *S* | *60-140* | | | | | *06/05/2023 19:17* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *62.2%* | | *60-140* | | | | | *06/05/2023 19:17* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *82.8%* | | *60-140* | | | | | *06/05/2023 19:17* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *102%* | | *60-140* | | | | | *06/05/2023 19:17* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *91.5%* | | *60-140* | | | | | *06/05/2023 19:17* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *69.5%* | | *60-140* | | | | | *06/05/2023 19:17* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0149 | | mg/kg | 1 | 0.000139 | 0.00980 | BGF0506 | 06/09/2023 15:38 | TBB |

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|---|---|---|
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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-3
Lab Sample ID: 23E2848-13
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 4.62 | V | ug/kg | 1 | 2.37 | 2.37 | BGE4145 | 06/01/2023 09:05 | KRB |
| SW-8270 | Phenol, Total | A | 70.2 | V | ug/kg | 1 | 4.73 | 4.73 | BGE4145 | 06/01/2023 09:05 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *13.2%* | *S* | *60-140* | | | | | *06/01/2023 09:05* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *52.8%* | *S* | *60-140* | | | | | *06/01/2023 09:05* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *70.2%* | | *60-140* | | | | | *06/01/2023 09:05* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *84.9%* | | *60-140* | | | | | *06/01/2023 09:05* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *57.9%* | *S* | *60-140* | | | | | *06/01/2023 09:05* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *37.9%* | *S* | *60-140* | | | | | *06/01/2023 09:05* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00159 | U | mg/kg | 1 | 0.00159 | 0.0198 | BGE2506 | 06/02/2023 16:24 | TBB |
| EPA 200.8 | Arsenic | N | 1.29 | | mg/kg | 1 | 0.00243 | 0.00988 | BGE2506 | 06/02/2023 11:39 | TBB |
| EPA 200.8 | Beryllium | N | 0.00144 | J | mg/kg | 1 | 0.000198 | 0.00395 | BGE2506 | 06/08/2023 14:26 | TBB |
| EPA 200.8 | Cadmium | N | 0.0455 | | mg/kg | 1 | 0.000625 | 0.0198 | BGE2506 | 06/02/2023 11:39 | TBB |
| EPA 200.8 | Chromium | N | 0.0248 | V, J | mg/kg | 1 | 0.00145 | 0.0593 | BGE2506 | 06/02/2023 11:39 | TBB |
| EPA 200.8 | Copper | N | 0.984 | V | mg/kg | 1 | 0.00172 | 0.0198 | BGE2506 | 06/02/2023 11:39 | TBB |
| SW-7471B | Mercury | A | <0.00476 | U | mg/kg | 1 | 0.00476 | 0.00952 | BGE3654 | 06/07/2023 14:11 | AKR |
| EPA 200.8 | Lead | N | 0.0317 | V | mg/kg | 1 | 0.00149 | 0.00988 | BGE2506 | 06/02/2023 16:24 | TBB |
| EPA 200.8 | Nickel | N | 0.342 | V | mg/kg | 1 | 0.000350 | 0.0198 | BGE2506 | 06/02/2023 11:39 | TBB |
| EPA 200.8 | Selenium | N | 0.168 | | mg/kg | 1 | 0.0217 | 0.0395 | BGE2506 | 06/08/2023 14:26 | TBB |
| EPA 200.8 | Thallium | N | 0.000237 | J | mg/kg | 1 | 0.000136 | 0.00988 | BGE2506 | 06/02/2023 11:39 | TBB |
| EPA 200.8 | Zinc | N | 11.3 | V | mg/kg | 5 | 0.0371 | 0.198 | BGE2506 | 06/08/2023 14:29 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.5 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-3
Lab Sample ID: 23E2848-13RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 5.97 | V | ug/kg | 1 | 2.37 | 2.37 | BGE4145 | 06/05/2023 19:52 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.37 | U | ug/kg | 1 | 2.37 | 2.37 | BGE4145 | 06/05/2023 19:52 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *14.4%* | *S* | *60-140* | | | | | *06/05/2023 19:52* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *53.6%* | *S* | *60-140* | | | | | *06/05/2023 19:52* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *77.9%* | | *60-140* | | | | | *06/05/2023 19:52* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *105%* | | *60-140* | | | | | *06/05/2023 19:52* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *92.0%* | | *60-140* | | | | | *06/05/2023 19:52* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *59.9%* | *S* | *60-140* | | | | | *06/05/2023 19:52* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0185 | | mg/kg | 1 | 0.000139 | 0.00977 | BGF0506 | 06/09/2023 15:41 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-4
Lab Sample ID: 23E2848-14
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 5.23 | V | ug/kg | 1 | 2.39 | 2.39 | BGE4145 | 06/01/2023 09:39 | KRB |
| SW-8270 | Phenol, Total | A | 61.0 | V | ug/kg | 1 | 4.77 | 4.77 | BGE4145 | 06/01/2023 09:39 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *15.5%* | *S* | *60-140* | | | | | *06/01/2023 09:39* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *57.1%* | *S* | *60-140* | | | | | *06/01/2023 09:39* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *69.4%* | | *60-140* | | | | | *06/01/2023 09:39* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *91.4%* | | *60-140* | | | | | *06/01/2023 09:39* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *52.3%* | *S* | *60-140* | | | | | *06/01/2023 09:39* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *47.9%* | *S* | *60-140* | | | | | *06/01/2023 09:39* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00161 | U | mg/kg | 1 | 0.00161 | 0.0200 | BGE2506 | 06/02/2023 16:29 | TBB |
| EPA 200.8 | Arsenic | N | 1.07 | A | mg/kg | 5 | 0.0123 | 0.0500 | BGE2506 | 06/02/2023 11:46 | TBB |
| EPA 200.8 | Beryllium | N | 0.00148 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2506 | 06/08/2023 14:31 | TBB |
| EPA 200.8 | Cadmium | N | 0.0452 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2506 | 06/02/2023 11:44 | TBB |
| EPA 200.8 | Chromium | N | 0.0352 | A, V, J | mg/kg | 5 | 0.00735 | 0.300 | BGE2506 | 06/02/2023 11:46 | TBB |
| EPA 200.8 | Copper | N | 1.13 | A, V | mg/kg | 5 | 0.00870 | 0.100 | BGE2506 | 06/02/2023 11:46 | TBB |
| SW-7471B | Mercury | A | <0.00465 | U | mg/kg | 1 | 0.00465 | 0.00930 | BGE3654 | 06/07/2023 14:21 | AKR |
| EPA 200.8 | Lead | N | 0.0360 | V | mg/kg | 1 | 0.00151 | 0.0100 | BGE2506 | 06/02/2023 16:29 | TBB |
| EPA 200.8 | Nickel | N | 0.387 | A, V | mg/kg | 5 | 0.00177 | 0.100 | BGE2506 | 06/02/2023 11:46 | TBB |
| EPA 200.8 | Selenium | N | 0.176 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2506 | 06/08/2023 14:31 | TBB |
| EPA 200.8 | Thallium | N | 0.000300 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2506 | 06/02/2023 11:44 | TBB |
| EPA 200.8 | Zinc | N | 11.7 | V | mg/kg | 5 | 0.0376 | 0.200 | BGE2506 | 06/08/2023 14:34 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.4 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-4
Lab Sample ID: 23E2848-14RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 8.47 | V | ug/kg | 1 | 2.39 | 2.39 | BGE4145 | 06/05/2023 20:26 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.39 | U | ug/kg | 1 | 2.39 | 2.39 | BGE4145 | 06/05/2023 20:26 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *16.4%* | *S* | *60-140* | | | | | *06/05/2023 20:26* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *61.4%* | | *60-140* | | | | | *06/05/2023 20:26* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *87.3%* | | *60-140* | | | | | *06/05/2023 20:26* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *106%* | | *60-140* | | | | | *06/05/2023 20:26* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *92.9%* | | *60-140* | | | | | *06/05/2023 20:26* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *70.2%* | | *60-140* | | | | | *06/05/2023 20:26* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0133 | | mg/kg | 1 | 0.000142 | 0.0100 | BGF0506 | 06/09/2023 15:51 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-5
Lab Sample ID: 23E2848-15
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 5.01 | V | ug/kg | 1 | 2.38 | 2.38 | BGE4145 | 06/01/2023 10:14 | KRB |
| SW-8270 | Phenol, Total | A | 70.4 | V | ug/kg | 1 | 4.75 | 4.75 | BGE4145 | 06/01/2023 10:14 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *17.4%* | *S* | *60-140* | | | | | *06/01/2023 10:14* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *50.2%* | *S* | *60-140* | | | | | *06/01/2023 10:14* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *66.8%* | | *60-140* | | | | | *06/01/2023 10:14* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *88.1%* | | *60-140* | | | | | *06/01/2023 10:14* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *57.0%* | *S* | *60-140* | | | | | *06/01/2023 10:14* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *40.2%* | *S* | *60-140* | | | | | *06/01/2023 10:14* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00161 | U | mg/kg | 1 | 0.00161 | 0.0200 | BGE2506 | 06/02/2023 16:34 | TBB |
| EPA 200.8 | Arsenic | N | 1.21 | | mg/kg | 1 | 0.00246 | 0.0100 | BGE2506 | 06/02/2023 11:49 | TBB |
| EPA 200.8 | Beryllium | N | 0.00116 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2506 | 06/08/2023 14:36 | TBB |
| EPA 200.8 | Cadmium | N | 0.0455 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2506 | 06/02/2023 11:49 | TBB |
| EPA 200.8 | Chromium | N | 0.0266 | V, J | mg/kg | 1 | 0.00147 | 0.0600 | BGE2506 | 06/02/2023 11:49 | TBB |
| EPA 200.8 | Copper | N | 1.19 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2506 | 06/02/2023 11:49 | TBB |
| SW-7471B | Mercury | A | <0.00488 | U | mg/kg | 1 | 0.00488 | 0.00976 | BGE3654 | 06/07/2023 14:25 | AKR |
| EPA 200.8 | Lead | N | 0.0389 | V | mg/kg | 1 | 0.00151 | 0.0100 | BGE2506 | 06/02/2023 16:34 | TBB |
| EPA 200.8 | Nickel | N | 0.335 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2506 | 06/02/2023 11:49 | TBB |
| EPA 200.8 | Selenium | N | 0.162 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2506 | 06/08/2023 14:36 | TBB |
| EPA 200.8 | Thallium | N | 0.000300 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2506 | 06/02/2023 11:49 | TBB |
| EPA 200.8 | Zinc | N | 11.6 | V | mg/kg | 5 | 0.0376 | 0.200 | BGE2506 | 06/08/2023 14:46 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.7 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-5
Lab Sample ID: 23E2848-15RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 10.0 | V | ug/kg | 1 | 2.38 | 2.38 | BGE4145 | 06/05/2023 21:01 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.38 | U | ug/kg | 1 | 2.38 | 2.38 | BGE4145 | 06/05/2023 21:01 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *18.3%* | *S* | *60-140* | | | | | *06/05/2023 21:01* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *50.8%* | *S* | *60-140* | | | | | *06/05/2023 21:01* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *79.8%* | | *60-140* | | | | | *06/05/2023 21:01* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *98.5%* | | *60-140* | | | | | *06/05/2023 21:01* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *94.4%* | | *60-140* | | | | | *06/05/2023 21:01* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *65.0%* | | *60-140* | | | | | *06/05/2023 21:01* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0175 | | mg/kg | 1 | 0.000139 | 0.00980 | BGF0506 | 06/09/2023 15:53 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-1
Lab Sample ID: 23E2848-16
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 4.79 | V | ug/kg | 1 | 2.43 | 2.43 | BGE4145 | 06/01/2023 10:48 | KRB |
| SW-8270 | Phenol, Total | A | 69.5 | V | ug/kg | 1 | 4.85 | 4.85 | BGE4145 | 06/01/2023 10:48 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *12.4%* | *S* | *60-140* | | | | | *06/01/2023 10:48* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *55.4%* | *S* | *60-140* | | | | | *06/01/2023 10:48* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *64.7%* | | *60-140* | | | | | *06/01/2023 10:48* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *84.0%* | | *60-140* | | | | | *06/01/2023 10:48* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *50.5%* | *S* | *60-140* | | | | | *06/01/2023 10:48* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *49.1%* | *S* | *60-140* | | | | | *06/01/2023 10:48* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00162 | U | mg/kg | 1 | 0.00162 | 0.0201 | BGE2506 | 06/02/2023 16:46 | TBB |
| EPA 200.8 | Arsenic | N | 1.04 | | mg/kg | 1 | 0.00247 | 0.0100 | BGE2506 | 06/02/2023 12:01 | TBB |
| EPA 200.8 | Beryllium | N | 0.00124 | J | mg/kg | 1 | 0.000201 | 0.00402 | BGE2506 | 06/08/2023 14:48 | TBB |
| EPA 200.8 | Cadmium | N | 0.0419 | | mg/kg | 1 | 0.000635 | 0.0201 | BGE2506 | 06/02/2023 12:01 | TBB |
| EPA 200.8 | Chromium | N | 0.0424 | V, J | mg/kg | 1 | 0.00148 | 0.0602 | BGE2506 | 06/02/2023 12:01 | TBB |
| EPA 200.8 | Copper | N | 1.03 | V | mg/kg | 1 | 0.00175 | 0.0201 | BGE2506 | 06/02/2023 12:01 | TBB |
| SW-7471B | Mercury | A | <0.00476 | U | mg/kg | 1 | 0.00476 | 0.00952 | BGE3654 | 06/07/2023 14:35 | AKR |
| EPA 200.8 | Lead | N | 0.0322 | V | mg/kg | 1 | 0.00152 | 0.0100 | BGE2506 | 06/02/2023 16:46 | TBB |
| EPA 200.8 | Nickel | N | 0.384 | V | mg/kg | 1 | 0.000355 | 0.0201 | BGE2506 | 06/02/2023 12:01 | TBB |
| EPA 200.8 | Selenium | N | 0.184 | | mg/kg | 1 | 0.0221 | 0.0402 | BGE2506 | 06/08/2023 14:48 | TBB |
| EPA 200.8 | Thallium | N | 0.000221 | J | mg/kg | 1 | 0.000139 | 0.0100 | BGE2506 | 06/02/2023 12:01 | TBB |
| EPA 200.8 | Zinc | N | 13.1 | V | mg/kg | 5 | 0.0377 | 0.201 | BGE2506 | 06/08/2023 14:51 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.8 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-1
Lab Sample ID: 23E2848-16RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 7.15 | V | ug/kg | 1 | 2.43 | 2.43 | BGE4145 | 06/05/2023 21:36 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.43 | U | ug/kg | 1 | 2.43 | 2.43 | BGE4145 | 06/05/2023 21:36 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *13.2%* | *S* | *60-140* | | | | | *06/05/2023 21:36* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *59.6%* | *S* | *60-140* | | | | | *06/05/2023 21:36* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *75.3%* | | *60-140* | | | | | *06/05/2023 21:36* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *99.9%* | | *60-140* | | | | | *06/05/2023 21:36* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *87.3%* | | *60-140* | | | | | *06/05/2023 21:36* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *73.7%* | | *60-140* | | | | | *06/05/2023 21:36* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0158 | | mg/kg | 1 | 0.000142 | 0.0100 | BGF0506 | 06/09/2023 15:55 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-2
Lab Sample ID: 23E2848-17
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 4.66 | V | ug/kg | 1 | 2.49 | 2.49 | BGE4145 | 06/01/2023 11:23 | KRB |
| SW-8270 | Phenol, Total | A | 77.1 | V | ug/kg | 1 | 4.98 | 4.98 | BGE4145 | 06/01/2023 11:23 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *14.2%* | *S* | *60-140* | | | | | *06/01/2023 11:23* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *54.8%* | *S* | *60-140* | | | | | *06/01/2023 11:23* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *61.1%* | | *60-140* | | | | | *06/01/2023 11:23* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *85.5%* | | *60-140* | | | | | *06/01/2023 11:23* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *50.4%* | *S* | *60-140* | | | | | *06/01/2023 11:23* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *43.6%* | *S* | *60-140* | | | | | *06/01/2023 11:23* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00160 | U | mg/kg | 1 | 0.00160 | 0.0198 | BGE2506 | 06/02/2023 16:51 | TBB |
| EPA 200.8 | Arsenic | N | 1.22 | | mg/kg | 1 | 0.00244 | 0.00992 | BGE2506 | 06/02/2023 12:06 | TBB |
| EPA 200.8 | Beryllium | N | 0.00181 | J | mg/kg | 1 | 0.000198 | 0.00397 | BGE2506 | 06/08/2023 14:53 | TBB |
| EPA 200.8 | Cadmium | N | 0.0429 | | mg/kg | 1 | 0.000627 | 0.0198 | BGE2506 | 06/02/2023 12:06 | TBB |
| EPA 200.8 | Chromium | N | 0.0682 | V | mg/kg | 1 | 0.00146 | 0.0595 | BGE2506 | 06/02/2023 12:06 | TBB |
| EPA 200.8 | Copper | N | 1.40 | V | mg/kg | 1 | 0.00173 | 0.0198 | BGE2506 | 06/02/2023 12:06 | TBB |
| SW-7471B | Mercury | A | <0.00469 | U | mg/kg | 1 | 0.00469 | 0.00937 | BGE3654 | 06/07/2023 14:38 | AKR |
| EPA 200.8 | Lead | N | 0.0486 | V | mg/kg | 1 | 0.00150 | 0.00992 | BGE2506 | 06/02/2023 16:51 | TBB |
| EPA 200.8 | Nickel | N | 0.387 | V | mg/kg | 1 | 0.000351 | 0.0198 | BGE2506 | 06/02/2023 12:06 | TBB |
| EPA 200.8 | Selenium | N | 0.202 | | mg/kg | 1 | 0.0218 | 0.0397 | BGE2506 | 06/08/2023 14:53 | TBB |
| EPA 200.8 | Thallium | N | 0.000337 | J | mg/kg | 1 | 0.000137 | 0.00992 | BGE2506 | 06/02/2023 12:06 | TBB |
| EPA 200.8 | Zinc | N | 13.2 | V | mg/kg | 5 | 0.0373 | 0.198 | BGE2506 | 06/08/2023 14:56 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.4 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-2
Lab Sample ID: 23E2848-17RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 12.0 | V | ug/kg | 1 | 2.49 | 2.49 | BGE4145 | 06/05/2023 22:45 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.49 | U | ug/kg | 1 | 2.49 | 2.49 | BGE4145 | 06/05/2023 22:45 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *15.7%* | *S* | *60-140* | | | | | *06/05/2023 22:45* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *62.6%* | | *60-140* | | | | | *06/05/2023 22:45* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *68.5%* | | *60-140* | | | | | *06/05/2023 22:45* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *99.5%* | | *60-140* | | | | | *06/05/2023 22:45* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *78.0%* | | *60-140* | | | | | *06/05/2023 22:45* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *80.1%* | | *60-140* | | | | | *06/05/2023 22:45* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0174 | | mg/kg | 1 | 0.000141 | 0.00992 | BGF0506 | 06/09/2023 15:58 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-3
Lab Sample ID: 23E2848-18
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 3.82 | V | ug/kg | 1 | 2.31 | 2.31 | BGE4145 | 06/01/2023 11:57 | KRB |
| SW-8270 | Phenol, Total | A | 63.7 | V | ug/kg | 1 | 4.61 | 4.61 | BGE4145 | 06/01/2023 11:57 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *27.0%* | *S* | *60-140* | | | | | *06/01/2023 11:57* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *68.1%* | | *60-140* | | | | | *06/01/2023 11:57* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *73.9%* | | *60-140* | | | | | *06/01/2023 11:57* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *87.8%* | | *60-140* | | | | | *06/01/2023 11:57* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *57.9%* | *S* | *60-140* | | | | | *06/01/2023 11:57* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *42.6%* | *S* | *60-140* | | | | | *06/01/2023 11:57* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.00161 | U | mg/kg | 1 | 0.00161 | 0.0200 | BGE2506 | 06/02/2023 16:56 | TBB |
| EPA 200.8 | Arsenic | N | 1.28 | | mg/kg | 1 | 0.00246 | 0.0100 | BGE2506 | 06/02/2023 12:11 | TBB |
| EPA 200.8 | Beryllium | N | 0.00134 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2506 | 06/08/2023 14:58 | TBB |
| EPA 200.8 | Cadmium | N | 0.0475 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2506 | 06/02/2023 12:11 | TBB |
| EPA 200.8 | Chromium | N | 0.0321 | V, J | mg/kg | 1 | 0.00147 | 0.0600 | BGE2506 | 06/02/2023 12:11 | TBB |
| EPA 200.8 | Copper | N | 1.43 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2506 | 06/02/2023 12:11 | TBB |
| SW-7471B | Mercury | A | <0.00496 | U | mg/kg | 1 | 0.00496 | 0.00992 | BGE3654 | 06/07/2023 14:41 | AKR |
| EPA 200.8 | Lead | N | 0.0535 | V | mg/kg | 1 | 0.00151 | 0.0100 | BGE2506 | 06/02/2023 16:56 | TBB |
| EPA 200.8 | Nickel | N | 0.359 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2506 | 06/02/2023 12:11 | TBB |
| EPA 200.8 | Selenium | N | 0.224 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2506 | 06/08/2023 14:58 | TBB |
| EPA 200.8 | Thallium | N | 0.000400 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2506 | 06/02/2023 12:11 | TBB |
| EPA 200.8 | Zinc | N | 14.1 | V | mg/kg | 5 | 0.0376 | 0.200 | BGE2506 | 06/08/2023 15:01 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 11.4 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-3
Lab Sample ID: 23E2848-18RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 7.45 | V | ug/kg | 1 | 2.31 | 2.31 | BGE4145 | 06/05/2023 23:19 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.31 | U | ug/kg | 1 | 2.31 | 2.31 | BGE4145 | 06/05/2023 23:19 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *27.7%* | *S* | *60-140* | | | | | *06/05/2023 23:19* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *76.6%* | | *60-140* | | | | | *06/05/2023 23:19* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *88.1%* | | *60-140* | | | | | *06/05/2023 23:19* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *109%* | | *60-140* | | | | | *06/05/2023 23:19* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *93.3%* | | *60-140* | | | | | *06/05/2023 23:19* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *82.2%* | | *60-140* | | | | | *06/05/2023 23:19* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0198 | | mg/kg | 1 | 0.000139 | 0.00980 | BGF0506 | 06/09/2023 16:00 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-1
Lab Sample ID: 23E2848-19
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 66.4 | V | ug/kg | 1 | 4.77 | 4.77 | BGE4170 | 06/05/2023 07:46 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *3.06%* | *S* | *60-140* | | | | | *06/05/2023 07:46* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *48.4%* | *S* | *60-140* | | | | | *06/05/2023 07:46* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *60.2%* | | *60-140* | | | | | *06/05/2023 07:46* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00199 | J | mg/kg | 1 | 0.00162 | 0.0201 | BGE2506 | 06/02/2023 17:01 | TBB |
| EPA 200.8 | Arsenic | N | 2.00 | | mg/kg | 5 | 0.0123 | 0.0502 | BGE2506 | 06/02/2023 12:18 | TBB |
| EPA 200.8 | Beryllium | N | 0.000341 | J | mg/kg | 1 | 0.000201 | 0.00402 | BGE2506 | 06/08/2023 15:03 | TBB |
| EPA 200.8 | Cadmium | N | 0.0287 | | mg/kg | 1 | 0.000635 | 0.0201 | BGE2506 | 06/02/2023 12:16 | TBB |
| EPA 200.8 | Chromium | N | 0.0704 | V | mg/kg | 1 | 0.00148 | 0.0602 | BGE2506 | 06/02/2023 12:16 | TBB |
| EPA 200.8 | Copper | N | 1.04 | V | mg/kg | 1 | 0.00175 | 0.0201 | BGE2506 | 06/02/2023 12:16 | TBB |
| SW-7471B | Mercury | A | 0.00540 | J | mg/kg | 1 | 0.00476 | 0.00952 | BGE3654 | 06/07/2023 14:45 | AKR |
| EPA 200.8 | Lead | N | 0.0717 | V | mg/kg | 1 | 0.00152 | 0.0100 | BGE2506 | 06/02/2023 17:01 | TBB |
| EPA 200.8 | Nickel | N | 0.150 | V | mg/kg | 1 | 0.000355 | 0.0201 | BGE2506 | 06/02/2023 12:16 | TBB |
| EPA 200.8 | Selenium | N | 0.305 | | mg/kg | 1 | 0.0221 | 0.0402 | BGE2506 | 06/08/2023 15:03 | TBB |
| EPA 200.8 | Thallium | N | 0.000221 | J | mg/kg | 1 | 0.000139 | 0.0100 | BGE2506 | 06/02/2023 12:16 | TBB |
| EPA 200.8 | Zinc | N | 8.46 | V | mg/kg | 5 | 0.0377 | 0.201 | BGE2506 | 06/08/2023 15:06 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.6 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-1
Lab Sample ID: 23E2848-19RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0145 | | mg/kg | 1 | 0.000138 | 0.00969 | BGF0506 | 06/09/2023 16:03 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-2
Lab Sample ID: 23E2848-20
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 53.0 | V | ug/kg | 1 | 4.94 | 4.94 | BGE4170 | 06/05/2023 08:21 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *4.28%* | *S* | *60-140* | | | | | *06/05/2023 08:21* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *58.4%* | *S* | *60-140* | | | | | *06/05/2023 08:21* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *64.0%* | | *60-140* | | | | | *06/05/2023 08:21* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00238 | J | mg/kg | 1 | 0.00161 | 0.0200 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Arsenic | N | 2.06 | | mg/kg | 5 | 0.0123 | 0.0500 | BGE2507 | 06/06/2023 15:41 | TBB |
| EPA 200.8 | Beryllium | N | 0.000920 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2507 | 06/07/2023 12:11 | TBB |
| EPA 200.8 | Cadmium | N | 0.0301 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Chromium | N | 0.116 | V | mg/kg | 1 | 0.00147 | 0.0600 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Copper | N | 1.20 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2507 | 06/06/2023 15:39 | TBB |
| SW-7471B | Mercury | A | <0.00492 | U | mg/kg | 1 | 0.00492 | 0.00984 | BGE3654 | 06/07/2023 14:48 | AKR |
| EPA 200.8 | Lead | N | 0.0943 | | mg/kg | 1 | 0.00151 | 0.0100 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Nickel | N | 0.172 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Selenium | N | 0.300 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Thallium | N | 0.000340 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Zinc | N | 50.4 | | mg/kg | 20 | 0.150 | 0.800 | BGE2507 | 06/08/2023 15:08 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.0 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-06-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-20RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0211 | | mg/kg | 1 | 0.000139 | 0.00977 | BGF0507 | 06/09/2023 16:27 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-3
Lab Sample ID: 23E2848-21
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 63.3 | V | ug/kg | 1 | 4.70 | 4.70 | BGE4170 | 06/05/2023 08:55 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *35.0%* | *S* | *60-140* | | | | | *06/05/2023 08:55* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *73.4%* | | *60-140* | | | | | *06/05/2023 08:55* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *79.3%* | | *60-140* | | | | | *06/05/2023 08:55* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00201 | J | mg/kg | 1 | 0.00162 | 0.0201 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Arsenic | N | 1.76 | | mg/kg | 1 | 0.00247 | 0.0100 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Beryllium | N | 0.000984 | J | mg/kg | 1 | 0.000201 | 0.00402 | BGE2507 | 06/07/2023 12:26 | TBB |
| EPA 200.8 | Cadmium | N | 0.0226 | | mg/kg | 1 | 0.000635 | 0.0201 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Chromium | N | 0.116 | V | mg/kg | 1 | 0.00148 | 0.0602 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Copper | N | 1.17 | V | mg/kg | 1 | 0.00175 | 0.0201 | BGE2507 | 06/06/2023 15:53 | TBB |
| SW-7471B | Mercury | A | <0.00476 | U | mg/kg | 1 | 0.00476 | 0.00952 | BGE3655 | 06/08/2023 15:28 | AKR |
| EPA 200.8 | Lead | N | 0.0798 | | mg/kg | 1 | 0.00152 | 0.0100 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Nickel | N | 0.159 | V | mg/kg | 1 | 0.000355 | 0.0201 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Selenium | N | 0.237 | | mg/kg | 1 | 0.0221 | 0.0402 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Thallium | N | 0.000341 | J | mg/kg | 1 | 0.000139 | 0.0100 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Zinc | N | 7.00 | | mg/kg | 1 | 0.00754 | 0.0402 | BGE2507 | 06/06/2023 15:53 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.2 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-3
Lab Sample ID: 23E2848-21RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0133 | | mg/kg | 1 | 0.000140 | 0.00984 | BGF0507 | 06/09/2023 16:12 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-4
Lab Sample ID: 23E2848-22
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 67.1 | V | ug/kg | 1 | 4.69 | 4.69 | BGE4170 | 06/05/2023 09:30 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *4.37%* | *S* | *60-140* | | | | | *06/05/2023 09:30* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *51.2%* | *S* | *60-140* | | | | | *06/05/2023 09:30* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *59.2%* | *S* | *60-140* | | | | | *06/05/2023 09:30* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00218 | J | mg/kg | 1 | 0.00161 | 0.0200 | BGE2507 | 06/07/2023 12:39 | TBB |
| EPA 200.8 | Arsenic | N | 1.87 | | mg/kg | 5 | 0.0123 | 0.0500 | BGE2507 | 06/07/2023 12:41 | TBB |
| EPA 200.8 | Beryllium | N | 0.000980 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2507 | 06/07/2023 12:39 | TBB |
| EPA 200.8 | Cadmium | N | 0.0284 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2507 | 06/07/2023 12:39 | TBB |
| EPA 200.8 | Chromium | N | 0.105 | A, V, J | mg/kg | 5 | 0.00735 | 0.300 | BGE2507 | 06/07/2023 12:41 | TBB |
| EPA 200.8 | Copper | N | 1.09 | V | mg/kg | 5 | 0.00870 | 0.100 | BGE2507 | 06/07/2023 12:41 | TBB |
| SW-7471B | Mercury | A | <0.00492 | U | mg/kg | 1 | 0.00492 | 0.00984 | BGE3655 | 06/08/2023 15:18 | AKR |
| EPA 200.8 | Lead | N | 0.0804 | | mg/kg | 1 | 0.00151 | 0.0100 | BGE2507 | 06/07/2023 12:39 | TBB |
| EPA 200.8 | Nickel | N | 0.152 | V | mg/kg | 5 | 0.00177 | 0.100 | BGE2507 | 06/07/2023 12:41 | TBB |
| EPA 200.8 | Selenium | N | 0.227 | | mg/kg | 5 | 0.110 | 0.200 | BGE2507 | 06/07/2023 12:41 | TBB |
| EPA 200.8 | Thallium | N | 0.000360 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2507 | 06/07/2023 12:39 | TBB |
| EPA 200.8 | Zinc | N | 7.82 | | mg/kg | 5 | 0.0376 | 0.200 | BGE2507 | 06/07/2023 12:41 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.1 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-4
Lab Sample ID: 23E2848-22RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0144 | | mg/kg | 1 | 0.000141 | 0.00996 | BGF0507 | 06/09/2023 16:29 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-5
Lab Sample ID: 23E2848-23
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 53.0 | V | ug/kg | 1 | 4.94 | 4.94 | BGE4170 | 06/05/2023 10:39 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *8.98%* | *S* | *60-140* | | | | | *06/05/2023 10:39* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *74.3%* | | *60-140* | | | | | *06/05/2023 10:39* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *84.6%* | | *60-140* | | | | | *06/05/2023 10:39* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00240 | J | mg/kg | 1 | 0.00160 | 0.0198 | BGE2507 | 06/07/2023 12:44 | TBB |
| EPA 200.8 | Arsenic | N | 1.93 | | mg/kg | 10 | 0.0244 | 0.0992 | BGE2507 | 06/07/2023 12:46 | TBB |
| EPA 200.8 | Beryllium | N | 0.00157 | J | mg/kg | 1 | 0.000198 | 0.00397 | BGE2507 | 06/07/2023 12:44 | TBB |
| EPA 200.8 | Cadmium | N | 0.0234 | | mg/kg | 1 | 0.000627 | 0.0198 | BGE2507 | 06/07/2023 12:44 | TBB |
| EPA 200.8 | Chromium | N | 0.107 | A, V, J | mg/kg | 10 | 0.0146 | 0.595 | BGE2507 | 06/07/2023 12:46 | TBB |
| EPA 200.8 | Copper | N | 1.03 | V | mg/kg | 10 | 0.0173 | 0.198 | BGE2507 | 06/07/2023 12:46 | TBB |
| SW-7471B | Mercury | A | <0.00476 | U | mg/kg | 1 | 0.00476 | 0.00952 | BGE3655 | 06/08/2023 15:55 | AKR |
| EPA 200.8 | Lead | N | 0.0862 | | mg/kg | 1 | 0.00150 | 0.00992 | BGE2507 | 06/07/2023 12:44 | TBB |
| EPA 200.8 | Nickel | N | 0.189 | A, V, J | mg/kg | 10 | 0.00351 | 0.198 | BGE2507 | 06/07/2023 12:46 | TBB |
| EPA 200.8 | Selenium | N | 0.230 | A, J | mg/kg | 10 | 0.218 | 0.397 | BGE2507 | 06/07/2023 12:46 | TBB |
| EPA 200.8 | Thallium | N | 0.000317 | J | mg/kg | 1 | 0.000137 | 0.00992 | BGE2507 | 06/07/2023 12:44 | TBB |
| EPA 200.8 | Zinc | N | 33.0 | | mg/kg | 10 | 0.0745 | 0.397 | BGE2507 | 06/07/2023 12:46 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.8 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-06-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-23RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0129 | | mg/kg | 1 | 0.000142 | 0.0100 | BGF0507 | 06/09/2023 16:31 | TBB |

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## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-1
Lab Sample ID: 23E2848-24
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 3.90 | V | ug/kg | 1 | 2.33 | 2.33 | BGE4170 | 06/05/2023 11:13 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 4.14 | V | ug/kg | 1 | 2.33 | 2.33 | BGE4170 | 06/05/2023 11:13 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <2.33 | U | ug/kg | 1 | 2.33 | 2.33 | BGE4170 | 06/05/2023 11:13 | KRB |
| SW-8270 | Phenol, Total | A | 86.3 | V | ug/kg | 1 | 4.66 | 4.66 | BGE4170 | 06/05/2023 11:13 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *2.01%* | *S* | *60-140* | | | | | *06/05/2023 11:13* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *31.6%* | *S* | *60-140* | | | | | *06/05/2023 11:13* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *51.4%* | *S* | *60-140* | | | | | *06/05/2023 11:13* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *66.1%* | | *60-140* | | | | | *06/05/2023 11:13* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *67.4%* | | *60-140* | | | | | *06/05/2023 11:13* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *25.5%* | *S* | *60-140* | | | | | *06/05/2023 11:13* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00309 | J | mg/kg | 1 | 0.00160 | 0.0199 | BGE2507 | 06/07/2023 12:49 | TBB |
| EPA 200.8 | Arsenic | N | 2.25 | | mg/kg | 5 | 0.0123 | 0.0498 | BGE2507 | 06/08/2023 15:20 | TBB |
| EPA 200.8 | Beryllium | N | 0.000857 | J | mg/kg | 1 | 0.000199 | 0.00398 | BGE2507 | 06/07/2023 12:49 | TBB |
| EPA 200.8 | Cadmium | N | 0.0302 | | mg/kg | 1 | 0.000629 | 0.0199 | BGE2507 | 06/07/2023 12:49 | TBB |
| EPA 200.8 | Chromium | N | 0.191 | V | mg/kg | 1 | 0.00146 | 0.0598 | BGE2507 | 06/08/2023 15:18 | TBB |
| EPA 200.8 | Copper | N | 2.77 | V | mg/kg | 1 | 0.00173 | 0.0199 | BGE2507 | 06/08/2023 15:18 | TBB |
| SW-7471B | Mercury | A | <0.00488 | U | mg/kg | 1 | 0.00488 | 0.00976 | BGE3655 | 06/08/2023 15:31 | AKR |
| EPA 200.8 | Lead | N | 0.139 | | mg/kg | 1 | 0.00150 | 0.00996 | BGE2507 | 06/07/2023 12:49 | TBB |
| EPA 200.8 | Nickel | N | 0.179 | V | mg/kg | 1 | 0.000353 | 0.0199 | BGE2507 | 06/08/2023 15:18 | TBB |
| EPA 200.8 | Selenium | N | 0.320 | | mg/kg | 1 | 0.0219 | 0.0398 | BGE2507 | 06/08/2023 15:18 | TBB |
| EPA 200.8 | Thallium | N | 0.000359 | J | mg/kg | 1 | 0.000137 | 0.00996 | BGE2507 | 06/07/2023 12:49 | TBB |
| EPA 200.8 | Zinc | N | 9.56 | | mg/kg | 5 | 0.0374 | 0.199 | BGE2507 | 06/08/2023 15:20 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.0 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-1
Lab Sample ID: 23E2848-24RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0117 | | mg/kg | 1 | 0.000141 | 0.00992 | BGF0507 | 06/09/2023 16:34 | TBB |

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| 11555 Clay Road | Project Number: | **Reported:** |
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# Sample Results

**(Continued)**

Client Sample ID: NV-CDP-07-2
Lab Sample ID: 23E2848-25
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 6.55 | V | ug/kg | 1 | 2.36 | 2.36 | BGE4170 | 06/05/2023 11:48 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 7.05 | V | ug/kg | 1 | 2.36 | 2.36 | BGE4170 | 06/05/2023 11:48 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <2.36 | U | ug/kg | 1 | 2.36 | 2.36 | BGE4170 | 06/05/2023 11:48 | KRB |
| SW-8270 | Phenol, Total | A | 83.9 | V | ug/kg | 1 | 4.72 | 4.72 | BGE4170 | 06/05/2023 11:48 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *2.05%* | *S* | *60-140* | | | | | *06/05/2023 11:48* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *26.4%* | *S* | *60-140* | | | | | *06/05/2023 11:48* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *53.7%* | *S* | *60-140* | | | | | *06/05/2023 11:48* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *61.1%* | | *60-140* | | | | | *06/05/2023 11:48* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *67.3%* | | *60-140* | | | | | *06/05/2023 11:48* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *21.7%* | *S* | *60-140* | | | | | *06/05/2023 11:48* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00320 | J | mg/kg | 1 | 0.00161 | 0.0200 | BGE2507 | 06/07/2023 12:54 | TBB |
| EPA 200.8 | Arsenic | N | 2.12 | | mg/kg | 10 | 0.0246 | 0.100 | BGE2507 | 06/07/2023 12:59 | TBB |
| EPA 200.8 | Beryllium | N | 0.000520 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2507 | 06/07/2023 12:54 | TBB |
| EPA 200.8 | Cadmium | N | 0.0292 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2507 | 06/07/2023 12:54 | TBB |
| EPA 200.8 | Chromium | N | 0.168 | A, V, J | mg/kg | 10 | 0.0147 | 0.600 | BGE2507 | 06/07/2023 12:59 | TBB |
| EPA 200.8 | Copper | N | 3.16 | V | mg/kg | 10 | 0.0174 | 0.200 | BGE2507 | 06/07/2023 12:59 | TBB |
| SW-7471B | Mercury | A | <0.00496 | U | mg/kg | 1 | 0.00496 | 0.00992 | BGE3655 | 06/08/2023 15:35 | AKR |
| EPA 200.8 | Lead | N | 0.141 | | mg/kg | 1 | 0.00151 | 0.0100 | BGE2507 | 06/07/2023 12:54 | TBB |
| EPA 200.8 | Nickel | N | 0.181 | A, V, J | mg/kg | 10 | 0.00354 | 0.200 | BGE2507 | 06/07/2023 12:59 | TBB |
| EPA 200.8 | Selenium | N | 0.268 | A, J | mg/kg | 10 | 0.220 | 0.400 | BGE2507 | 06/07/2023 12:59 | TBB |
| EPA 200.8 | Thallium | N | 0.000280 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2507 | 06/07/2023 12:54 | TBB |
| EPA 200.8 | Zinc | N | 18.8 | | mg/kg | 10 | 0.0751 | 0.400 | BGE2507 | 06/07/2023 12:59 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.8 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-07-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-25RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0152 | | mg/kg | 1 | 0.000141 | 0.00996 | BGF0507 | 06/09/2023 16:36 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

# Sample Results

**(Continued)**

Client Sample ID: NV-CDP-07-3
Lab Sample ID: 23E2848-26
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 4.43 | V | ug/kg | 1 | 2.45 | 2.45 | BGE4170 | 06/05/2023 12:23 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 3.58 | V | ug/kg | 1 | 2.45 | 2.45 | BGE4170 | 06/05/2023 12:23 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <2.45 | U | ug/kg | 1 | 2.45 | 2.45 | BGE4170 | 06/05/2023 12:23 | KRB |
| SW-8270 | Phenol, Total | A | 52.9 | V | ug/kg | 1 | 4.89 | 4.89 | BGE4170 | 06/05/2023 12:23 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *6.27%* | *S* | *60-140* | | | | | *06/05/2023 12:23* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *28.5%* | *S* | *60-140* | | | | | *06/05/2023 12:23* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *62.2%* | | *60-140* | | | | | *06/05/2023 12:23* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *73.3%* | | *60-140* | | | | | *06/05/2023 12:23* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *65.3%* | | *60-140* | | | | | *06/05/2023 12:23* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *22.8%* | *S* | *60-140* | | | | | *06/05/2023 12:23* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00378 | J | mg/kg | 1 | 0.00161 | 0.0200 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Arsenic | N | 2.22 | | mg/kg | 10 | 0.0246 | 0.100 | BGE2507 | 06/07/2023 13:14 | TBB |
| EPA 200.8 | Beryllium | N | 0.000980 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Cadmium | N | 0.0297 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Chromium | N | 0.317 | V | mg/kg | 1 | 0.00147 | 0.0600 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Copper | N | 3.44 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2507 | 06/07/2023 13:09 | TBB |
| SW-7471B | Mercury | A | <0.00496 | U | mg/kg | 1 | 0.00496 | 0.00992 | BGE3655 | 06/08/2023 15:38 | AKR |
| EPA 200.8 | Lead | N | 0.154 | | mg/kg | 1 | 0.00151 | 0.0100 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Nickel | N | 0.190 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Selenium | N | 0.316 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Thallium | N | 0.000360 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Zinc | N | 10.0 | | mg/kg | 10 | 0.0751 | 0.400 | BGE2507 | 06/07/2023 13:14 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.0 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-07-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-26RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0157 | | mg/kg | 1 | 0.000140 | 0.00984 | BGF0507 | 06/09/2023 16:39 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-4
Lab Sample ID: 23E2848-27
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <2.47 | U, B | ug/kg | 1 | 2.47 | 2.47 | BGE4170 | 06/05/2023 12:57 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 9.02 | V | ug/kg | 1 | 2.47 | 2.47 | BGE4170 | 06/05/2023 12:57 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <2.47 | U | ug/kg | 1 | 2.47 | 2.47 | BGE4170 | 06/05/2023 12:57 | KRB |
| SW-8270 | Phenol, Total | A | 71.1 | V | ug/kg | 1 | 4.93 | 4.93 | BGE4170 | 06/05/2023 12:57 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *37.1%* | *S* | *60-140* | | | | | *06/05/2023 12:57* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *42.5%* | *S* | *60-140* | | | | | *06/05/2023 12:57* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *81.8%* | | *60-140* | | | | | *06/05/2023 12:57* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *86.8%* | | *60-140* | | | | | *06/05/2023 12:57* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *77.4%* | | *60-140* | | | | | *06/05/2023 12:57* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *23.4%* | *S* | *60-140* | | | | | *06/05/2023 12:57* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00306 | J | mg/kg | 1 | 0.00161 | 0.0200 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Arsenic | N | 2.11 | | mg/kg | 10 | 0.0246 | 0.100 | BGE2507 | 06/07/2023 13:21 | TBB |
| EPA 200.8 | Beryllium | N | 0.000620 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Cadmium | N | 0.0283 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Chromium | N | 0.222 | V | mg/kg | 1 | 0.00147 | 0.0600 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Copper | N | 2.89 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2507 | 06/07/2023 13:16 | TBB |
| SW-7471B | Mercury | A | <0.00480 | U | mg/kg | 1 | 0.00480 | 0.00960 | BGE3655 | 06/08/2023 15:41 | AKR |
| EPA 200.8 | Lead | N | 0.135 | | mg/kg | 1 | 0.00151 | 0.0100 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Nickel | N | 0.169 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Selenium | N | 0.315 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Thallium | N | 0.000280 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Zinc | N | 9.31 | | mg/kg | 10 | 0.0751 | 0.400 | BGE2507 | 06/07/2023 13:21 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.6 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-07-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-27RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0143 | | mg/kg | 1 | 0.000140 | 0.00988 | BGF0507 | 06/09/2023 16:41 | TBB |

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## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-5
Lab Sample ID: 23E2848-28
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 4.54 | V | ug/kg | 1 | 2.35 | 2.35 | BGE4170 | 06/05/2023 13:32 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 4.07 | V | ug/kg | 1 | 2.35 | 2.35 | BGE4170 | 06/05/2023 13:32 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <2.35 | U | ug/kg | 1 | 2.35 | 2.35 | BGE4170 | 06/05/2023 13:32 | KRB |
| SW-8270 | Phenol, Total | A | 74.2 | V | ug/kg | 1 | 4.71 | 4.71 | BGE4170 | 06/05/2023 13:32 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *1.60%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *13.6%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *43.3%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *51.2%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *54.5%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *13.2%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00227 | J | mg/kg | 1 | 0.00162 | 0.0201 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Arsenic | N | 2.09 | | mg/kg | 10 | 0.0247 | 0.100 | BGE2507 | 06/07/2023 13:29 | TBB |
| EPA 200.8 | Beryllium | N | 0.000442 | J | mg/kg | 1 | 0.000201 | 0.00402 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Cadmium | N | 0.0250 | | mg/kg | 1 | 0.000635 | 0.0201 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Chromium | N | 0.0967 | V | mg/kg | 1 | 0.00148 | 0.0602 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Copper | N | 1.87 | V | mg/kg | 1 | 0.00175 | 0.0201 | BGE2507 | 06/07/2023 13:24 | TBB |
| SW-7471B | Mercury | A | <0.00500 | U | mg/kg | 1 | 0.00500 | 0.0100 | BGE3655 | 06/08/2023 15:45 | AKR |
| EPA 200.8 | Lead | N | 0.0921 | | mg/kg | 1 | 0.00152 | 0.0100 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Nickel | N | 0.138 | V | mg/kg | 1 | 0.000355 | 0.0201 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Selenium | N | 0.328 | | mg/kg | 1 | 0.0221 | 0.0402 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Thallium | N | 0.000261 | J | mg/kg | 1 | 0.000139 | 0.0100 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Zinc | N | 34.0 | | mg/kg | 10 | 0.0754 | 0.402 | BGE2507 | 06/07/2023 13:29 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.2 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-07-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-28RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0126 | | mg/kg | 1 | 0.000143 | 0.0100 | BGF0507 | 06/09/2023 16:44 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-1
Lab Sample ID: 23E2848-29
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 5.56 | V | ug/kg | 1 | 2.35 | 2.35 | BGE4145 | 06/01/2023 12:32 | KRB |
| SW-8270 | Phenol, Total | A | 50.7 | V | ug/kg | 1 | 4.70 | 4.70 | BGE4145 | 06/01/2023 12:32 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *5.72%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *26.8%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *51.7%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *58.0%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *38.6%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *26.9%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00264 | J | mg/kg | 1 | 0.00161 | 0.0200 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Arsenic | N | 2.08 | | mg/kg | 5 | 0.0123 | 0.0500 | BGE2507 | 06/07/2023 13:41 | TBB |
| EPA 200.8 | Beryllium | N | 0.000680 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Cadmium | N | 0.0264 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Chromium | N | 0.126 | V | mg/kg | 1 | 0.00147 | 0.0600 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Copper | N | 1.83 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2507 | 06/07/2023 13:31 | TBB |
| SW-7471B | Mercury | A | <0.00465 | U | mg/kg | 1 | 0.00465 | 0.00930 | BGE3655 | 06/08/2023 16:05 | AKR |
| EPA 200.8 | Lead | N | 0.106 | | mg/kg | 1 | 0.00151 | 0.0100 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Nickel | N | 0.159 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Selenium | N | 0.300 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Thallium | N | 0.000300 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Zinc | N | 8.23 | | mg/kg | 5 | 0.0376 | 0.200 | BGE2507 | 06/07/2023 13:41 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.5 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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## Sample Results
**(Continued)**

Client Sample ID: NV-REF-1
Lab Sample ID: 23E2848-29RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 3.69 | V | ug/kg | 1 | 2.35 | 2.35 | BGE4145 | 06/05/2023 23:54 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.35 | U | ug/kg | 1 | 2.35 | 2.35 | BGE4145 | 06/05/2023 23:54 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *5.10%* | *S* | *60-140* | | | | | *06/05/2023 23:54* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *30.6%* | *S* | *60-140* | | | | | *06/05/2023 23:54* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *64.8%* | | *60-140* | | | | | *06/05/2023 23:54* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *79.7%* | | *60-140* | | | | | *06/05/2023 23:54* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *68.1%* | | *60-140* | | | | | *06/05/2023 23:54* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *29.9%* | *S* | *60-140* | | | | | *06/05/2023 23:54* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0221 | | mg/kg | 1 | 0.000138 | 0.00969 | BGF0507 | 06/09/2023 16:53 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-2
Lab Sample ID: 23E2848-30
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 3.25 | V | ug/kg | 1 | 2.38 | 2.38 | BGE4145 | 06/01/2023 13:06 | KRB |
| SW-8270 | Phenol, Total | A | 52.8 | V | ug/kg | 1 | 4.75 | 4.75 | BGE4145 | 06/01/2023 13:06 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *20.9%* | *S* | *60-140* | | | | | *06/01/2023 13:06* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *57.0%* | *S* | *60-140* | | | | | *06/01/2023 13:06* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *71.8%* | | *60-140* | | | | | *06/01/2023 13:06* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *90.4%* | | *60-140* | | | | | *06/01/2023 13:06* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *49.0%* | *S* | *60-140* | | | | | *06/01/2023 13:06* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *24.9%* | *S* | *60-140* | | | | | *06/01/2023 13:06* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00319 | J | mg/kg | 1 | 0.00160 | 0.0198 | BGE2507 | 06/07/2023 13:46 | TBB |
| EPA 200.8 | Arsenic | N | 1.95 | | mg/kg | 5 | 0.0122 | 0.0496 | BGE2507 | 06/07/2023 13:48 | TBB |
| EPA 200.8 | Beryllium | N | 0.000615 | J | mg/kg | 1 | 0.000198 | 0.00397 | BGE2507 | 06/07/2023 13:46 | TBB |
| EPA 200.8 | Cadmium | N | 0.0250 | | mg/kg | 1 | 0.000627 | 0.0198 | BGE2507 | 06/07/2023 13:46 | TBB |
| EPA 200.8 | Chromium | N | 0.151 | A, V, J | mg/kg | 5 | 0.00729 | 0.298 | BGE2507 | 06/07/2023 13:48 | TBB |
| EPA 200.8 | Copper | N | 2.73 | V | mg/kg | 5 | 0.00863 | 0.0992 | BGE2507 | 06/07/2023 13:48 | TBB |
| SW-7471B | Mercury | A | <0.00496 | U | mg/kg | 1 | 0.00496 | 0.00992 | BGE3655 | 06/08/2023 16:08 | AKR |
| EPA 200.8 | Lead | N | 0.123 | | mg/kg | 1 | 0.00150 | 0.00992 | BGE2507 | 06/07/2023 13:46 | TBB |
| EPA 200.8 | Nickel | N | 0.181 | V | mg/kg | 5 | 0.00176 | 0.0992 | BGE2507 | 06/07/2023 13:48 | TBB |
| EPA 200.8 | Selenium | N | 0.232 | | mg/kg | 5 | 0.109 | 0.198 | BGE2507 | 06/07/2023 13:48 | TBB |
| EPA 200.8 | Thallium | N | 0.000278 | J | mg/kg | 1 | 0.000137 | 0.00992 | BGE2507 | 06/07/2023 13:46 | TBB |
| EPA 200.8 | Zinc | N | 24.7 | | mg/kg | 5 | 0.0373 | 0.198 | BGE2507 | 06/07/2023 13:48 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.0 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-2
Lab Sample ID: 23E2848-30RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 5.39 | V | ug/kg | 1 | 2.38 | 2.38 | BGE4145 | 06/06/2023 00:28 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.38 | U | ug/kg | 1 | 2.38 | 2.38 | BGE4145 | 06/06/2023 00:28 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *29.1%* | *S* | *60-140* | | | | | *06/06/2023 00:28* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *60.0%* | | *60-140* | | | | | *06/06/2023 00:28* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *84.7%* | | *60-140* | | | | | *06/06/2023 00:28* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *99.8%* | | *60-140* | | | | | *06/06/2023 00:28* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *80.7%* | | *60-140* | | | | | *06/06/2023 00:28* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *54.6%* | *S* | *60-140* | | | | | *06/06/2023 00:28* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0213 | | mg/kg | 1 | 0.000141 | 0.00996 | BGF0507 | 06/09/2023 17:03 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-3
Lab Sample ID: 23E2848-31
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 4.41 | V | ug/kg | 1 | 2.47 | 2.47 | BGE4145 | 06/01/2023 13:41 | KRB |
| SW-8270 | Phenol, Total | A | 58.3 | V | ug/kg | 1 | 4.94 | 4.94 | BGE4145 | 06/01/2023 13:41 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *18.3%* | *S* | *60-140* | | | | | *06/01/2023 13:41* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *47.8%* | *S* | *60-140* | | | | | *06/01/2023 13:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *69.4%* | | *60-140* | | | | | *06/01/2023 13:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *93.4%* | | *60-140* | | | | | *06/01/2023 13:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *48.2%* | *S* | *60-140* | | | | | *06/01/2023 13:41* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *36.0%* | *S* | *60-140* | | | | | *06/01/2023 13:41* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00424 | J | mg/kg | 1 | 0.00161 | 0.0200 | BGE2507 | 06/07/2023 14:15 | TBB |
| EPA 200.8 | Arsenic | N | 2.16 | | mg/kg | 10 | 0.0246 | 0.100 | BGE2507 | 06/07/2023 14:20 | TBB |
| EPA 200.8 | Beryllium | N | 0.000720 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2507 | 06/07/2023 14:15 | TBB |
| EPA 200.8 | Cadmium | N | 0.0272 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2507 | 06/07/2023 14:15 | TBB |
| EPA 200.8 | Chromium | N | 0.285 | A, V, J | mg/kg | 10 | 0.0147 | 0.600 | BGE2507 | 06/07/2023 14:20 | TBB |
| EPA 200.8 | Copper | N | 3.51 | V | mg/kg | 10 | 0.0174 | 0.200 | BGE2507 | 06/07/2023 14:20 | TBB |
| SW-7471B | Mercury | A | <0.00480 | U | mg/kg | 1 | 0.00480 | 0.00960 | BGE3655 | 06/08/2023 16:11 | AKR |
| EPA 200.8 | Lead | N | 0.151 | | mg/kg | 1 | 0.00151 | 0.0100 | BGE2507 | 06/07/2023 14:15 | TBB |
| EPA 200.8 | Nickel | N | 0.242 | V | mg/kg | 10 | 0.00354 | 0.200 | BGE2507 | 06/07/2023 14:20 | TBB |
| EPA 200.8 | Selenium | N | 0.244 | A, J | mg/kg | 10 | 0.220 | 0.400 | BGE2507 | 06/07/2023 14:20 | TBB |
| EPA 200.8 | Thallium | N | 0.000440 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2507 | 06/07/2023 14:15 | TBB |
| EPA 200.8 | Zinc | N | 18.8 | | mg/kg | 10 | 0.0751 | 0.400 | BGE2507 | 06/07/2023 14:20 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.8 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-3
Lab Sample ID: 23E2848-31RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 22.2 | V | ug/kg | 1 | 2.47 | 2.47 | BGE4145 | 06/06/2023 01:03 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.47 | U | ug/kg | 1 | 2.47 | 2.47 | BGE4145 | 06/06/2023 01:03 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *31.5%* | *S* | *60-140* | | | | | *06/06/2023 01:03* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *59.1%* | *S* | *60-140* | | | | | *06/06/2023 01:03* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *81.3%* | | *60-140* | | | | | *06/06/2023 01:03* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *92.7%* | | *60-140* | | | | | *06/06/2023 01:03* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *92.0%* | | *60-140* | | | | | *06/06/2023 01:03* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *86.2%* | | *60-140* | | | | | *06/06/2023 01:03* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0238 | | mg/kg | 1 | 0.000140 | 0.00988 | BGF0507 | 06/09/2023 17:05 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-4
Lab Sample ID: 23E2848-32
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 5.34 | V | ug/kg | 1 | 2.33 | 2.33 | BGE4145 | 06/01/2023 14:15 | KRB |
| SW-8270 | Phenol, Total | A | 97.3 | V | ug/kg | 1 | 4.66 | 4.66 | BGE4145 | 06/01/2023 14:15 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *15.7%* | *S* | *60-140* | | | | | *06/01/2023 14:15* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *57.1%* | *S* | *60-140* | | | | | *06/01/2023 14:15* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *67.0%* | | *60-140* | | | | | *06/01/2023 14:15* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *102%* | | *60-140* | | | | | *06/01/2023 14:15* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *64.0%* | | *60-140* | | | | | *06/01/2023 14:15* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *23.0%* | *S* | *60-140* | | | | | *06/01/2023 14:15* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00270 | J | mg/kg | 1 | 0.00161 | 0.0200 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Arsenic | N | 1.86 | | mg/kg | 1 | 0.00246 | 0.0100 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Beryllium | N | 0.000740 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Cadmium | N | 0.0217 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Chromium | N | 0.168 | V | mg/kg | 1 | 0.00147 | 0.0600 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Copper | N | 2.39 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2507 | 06/07/2023 14:23 | TBB |
| SW-7471B | Mercury | A | <0.00480 | U | mg/kg | 1 | 0.00480 | 0.00960 | BGE3655 | 06/08/2023 16:15 | AKR |
| EPA 200.8 | Lead | N | 0.110 | | mg/kg | 1 | 0.00151 | 0.0100 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Nickel | N | 0.172 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Selenium | N | 0.241 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Thallium | N | 0.000240 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Zinc | N | 6.83 | | mg/kg | 1 | 0.00751 | 0.0400 | BGE2507 | 06/07/2023 14:23 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.7 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-4
Lab Sample ID: 23E2848-32RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 7.96 | V | ug/kg | 1 | 2.33 | 2.33 | BGE4145 | 06/06/2023 01:38 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.33 | U | ug/kg | 1 | 2.33 | 2.33 | BGE4145 | 06/06/2023 01:38 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *22.6%* | *S* | *60-140* | | | | | *06/06/2023 01:38* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *68.2%* | | *60-140* | | | | | *06/06/2023 01:38* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *73.6%* | | *60-140* | | | | | *06/06/2023 01:38* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *132%* | | *60-140* | | | | | *06/06/2023 01:38* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *85.9%* | | *60-140* | | | | | *06/06/2023 01:38* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *52.6%* | *S* | *60-140* | | | | | *06/06/2023 01:38* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0141 | | mg/kg | 1 | 0.000138 | 0.00969 | BGF0507 | 06/09/2023 16:56 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-5
Lab Sample ID: 23E2848-33
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 4.60 | V | ug/kg | 1 | 2.36 | 2.36 | BGE4145 | 06/01/2023 15:24 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *9.87%* | *S* | *60-140* | | | | | *06/01/2023 15:24* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *54.6%* | *S* | *60-140* | | | | | *06/01/2023 15:24* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *74.8%* | | *60-140* | | | | | *06/01/2023 15:24* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *129%* | | *60-140* | | | | | *06/01/2023 15:24* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *113%* | | *60-140* | | | | | *06/01/2023 15:24* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *27.3%* | *S* | *60-140* | | | | | *06/01/2023 15:24* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00372 | J | mg/kg | 1 | 0.00280 | 0.0347 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Arsenic | N | 2.10 | | mg/kg | 1 | 0.00427 | 0.0174 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Beryllium | N | 0.00257 | J | mg/kg | 1 | 0.000347 | 0.00694 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Cadmium | N | 0.0248 | J | mg/kg | 1 | 0.00110 | 0.0347 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Chromium | N | 0.308 | V | mg/kg | 1 | 0.00255 | 0.104 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Copper | N | 3.26 | V | mg/kg | 1 | 0.00302 | 0.0347 | BGE2507 | 06/07/2023 14:30 | TBB |
| SW-7471B | Mercury | A | <0.00500 | U | mg/kg | 1 | 0.00500 | 0.0100 | BGE3655 | 06/08/2023 16:18 | AKR |
| EPA 200.8 | Lead | N | 0.189 | | mg/kg | 1 | 0.00262 | 0.0174 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Nickel | N | 0.243 | V | mg/kg | 1 | 0.000615 | 0.0347 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Selenium | N | 0.268 | | mg/kg | 1 | 0.0382 | 0.0694 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Thallium | N | 0.000556 | J | mg/kg | 1 | 0.000240 | 0.0174 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Zinc | N | 8.90 | | mg/kg | 1 | 0.0130 | 0.0694 | BGE2507 | 06/07/2023 14:30 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 15.0 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-5
Lab Sample ID: 23E2848-33RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <2.36 | U, B | ug/kg | 1 | 2.36 | 2.36 | BGE4145 | 06/10/2023 04:07 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <2.36 | U | ug/kg | 1 | 2.36 | 2.36 | BGE4145 | 06/10/2023 04:07 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 92.7 | V | ug/kg | 1 | 4.73 | 4.73 | BGE4145 | 06/10/2023 04:07 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *15.1%* | *S* | *60-140* | | | | | *06/10/2023 04:07* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *59.2%* | *S* | *60-140* | | | | | *06/10/2023 04:07* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *65.9%* | | *60-140* | | | | | *06/10/2023 04:07* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *110%* | | *60-140* | | | | | *06/10/2023 04:07* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *91.9%* | | *60-140* | | | | | *06/10/2023 04:07* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *36.2%* | *S* | *60-140* | | | | | *06/10/2023 04:07* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.00707 | J | mg/kg | 1 | 0.000386 | 0.0272 | BGF0507 | 06/09/2023 17:08 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-1
Lab Sample ID: 23E2848-34
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 21.6 | V | ug/kg | 1 | 2.44 | 2.44 | BGE4145 | 06/01/2023 15:59 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *23.8%* | *S* | *60-140* | | | | | *06/01/2023 15:59* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *65.0%* | | *60-140* | | | | | *06/01/2023 15:59* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *90.5%* | | *60-140* | | | | | *06/01/2023 15:59* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *96.6%* | | *60-140* | | | | | *06/01/2023 15:59* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *132%* | | *60-140* | | | | | *06/01/2023 15:59* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *10.5%* | *S* | *60-140* | | | | | *06/01/2023 15:59* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00247 | J | mg/kg | 1 | 0.00162 | 0.0201 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Arsenic | N | 2.13 | | mg/kg | 10 | 0.0247 | 0.100 | BGE2507 | 06/07/2023 14:50 | TBB |
| EPA 200.8 | Beryllium | N | 0.000602 | J | mg/kg | 1 | 0.000201 | 0.00402 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Cadmium | N | 0.0247 | | mg/kg | 1 | 0.000635 | 0.0201 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Chromium | N | 0.0885 | V | mg/kg | 1 | 0.00148 | 0.0602 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Copper | N | 1.90 | V | mg/kg | 1 | 0.00175 | 0.0201 | BGE2507 | 06/07/2023 14:45 | TBB |
| SW-7471B | Mercury | A | <0.00465 | U | mg/kg | 1 | 0.00465 | 0.00930 | BGE3655 | 06/08/2023 16:21 | AKR |
| EPA 200.8 | Lead | N | 0.0677 | | mg/kg | 1 | 0.00152 | 0.0100 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Nickel | N | 0.181 | V | mg/kg | 1 | 0.000355 | 0.0201 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Selenium | N | 0.371 | | mg/kg | 1 | 0.0221 | 0.0402 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Thallium | N | 0.000301 | J | mg/kg | 1 | 0.000139 | 0.0100 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Zinc | N | 45.5 | | mg/kg | 10 | 0.0754 | 0.402 | BGE2507 | 06/07/2023 14:50 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.7 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-1
Lab Sample ID: 23E2848-34RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <4.87 | U, B | ug/kg | 2 | 4.87 | 4.87 | BGE4145 | 06/10/2023 04:42 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <4.87 | U | ug/kg | 2 | 4.87 | 4.87 | BGE4145 | 06/10/2023 04:42 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 78.1 | V | ug/kg | 2 | 9.75 | 9.75 | BGE4145 | 06/10/2023 04:42 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *28.9%* | *S* | *60-140* | | | | | *06/10/2023 04:42* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *68.5%* | | *60-140* | | | | | *06/10/2023 04:42* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *79.6%* | | *60-140* | | | | | *06/10/2023 04:42* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *111%* | | *60-140* | | | | | *06/10/2023 04:42* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *94.8%* | | *60-140* | | | | | *06/10/2023 04:42* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *11.9%* | *S* | *60-140* | | | | | *06/10/2023 04:42* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0235 | | mg/kg | 1 | 0.000141 | 0.00996 | BGF0507 | 06/09/2023 17:10 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-2
Lab Sample ID: 23E2848-35
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 13.6 | V | ug/kg | 1 | 2.49 | 2.49 | BGE4145 | 06/01/2023 16:33 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *16.1%* | *S* | *60-140* | | | | | *06/01/2023 16:33* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *58.8%* | *S* | *60-140* | | | | | *06/01/2023 16:33* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *70.2%* | | *60-140* | | | | | *06/01/2023 16:33* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *90.1%* | | *60-140* | | | | | *06/01/2023 16:33* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *112%* | | *60-140* | | | | | *06/01/2023 16:33* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *8.78%* | *S* | *60-140* | | | | | *06/01/2023 16:33* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00272 | J | mg/kg | 1 | 0.00161 | 0.0200 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Arsenic | N | 1.86 | | mg/kg | 5 | 0.0123 | 0.0500 | BGE2507 | 06/07/2023 14:55 | TBB |
| EPA 200.8 | Beryllium | N | 0.00176 | J | mg/kg | 1 | 0.000200 | 0.00400 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Cadmium | N | 0.0211 | | mg/kg | 1 | 0.000632 | 0.0200 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Chromium | N | 0.158 | V | mg/kg | 1 | 0.00147 | 0.0600 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Copper | N | 1.48 | V | mg/kg | 1 | 0.00174 | 0.0200 | BGE2507 | 06/07/2023 14:53 | TBB |
| SW-7471B | Mercury | A | <0.00476 | U | mg/kg | 1 | 0.00476 | 0.00952 | BGE3655 | 06/08/2023 16:25 | AKR |
| EPA 200.8 | Lead | N | 0.0970 | | mg/kg | 1 | 0.00151 | 0.0100 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Nickel | N | 0.201 | V | mg/kg | 1 | 0.000354 | 0.0200 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Selenium | N | 0.295 | | mg/kg | 1 | 0.0220 | 0.0400 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Thallium | N | 0.000540 | J | mg/kg | 1 | 0.000138 | 0.0100 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Zinc | N | 19.7 | | mg/kg | 5 | 0.0376 | 0.200 | BGE2507 | 06/07/2023 14:55 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.2 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-PRETEST-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-35RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <4.98 | U, B | ug/kg | 2 | 4.98 | 4.98 | BGE4145 | 06/10/2023 05:17 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <4.98 | U | ug/kg | 2 | 4.98 | 4.98 | BGE4145 | 06/10/2023 05:17 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 109 | V | ug/kg | 2 | 9.96 | 9.96 | BGE4145 | 06/10/2023 05:17 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *20.0%* | *S* | *60-140* | | | | | *06/10/2023 05:17* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *74.5%* | | *60-140* | | | | | *06/10/2023 05:17* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *52.5%* | *S* | *60-140* | | | | | *06/10/2023 05:17* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *106%* | | *60-140* | | | | | *06/10/2023 05:17* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *91.1%* | | *60-140* | | | | | *06/10/2023 05:17* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *11.7%* | *S* | *60-140* | | | | | *06/10/2023 05:17* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0252 | | mg/kg | 1 | 0.000140 | 0.00984 | BGF0507 | 06/09/2023 17:13 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-3
Lab Sample ID: 23E2848-36
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 3.46 | V | ug/kg | 1 | 2.41 | 2.41 | BGE4145 | 06/01/2023 17:08 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *7.23%* | *S* | *60-140* | | | | | *06/01/2023 17:08* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *50.6%* | *S* | *60-140* | | | | | *06/01/2023 17:08* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *83.7%* | | *60-140* | | | | | *06/01/2023 17:08* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *102%* | | *60-140* | | | | | *06/01/2023 17:08* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *125%* | | *60-140* | | | | | *06/01/2023 17:08* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *26.0%* | *S* | *60-140* | | | | | *06/01/2023 17:08* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.00276 | J | mg/kg | 1 | 0.00160 | 0.0198 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Arsenic | N | 2.25 | | mg/kg | 5 | 0.0122 | 0.0496 | BGE2507 | 06/07/2023 15:03 | TBB |
| EPA 200.8 | Beryllium | N | 0.00161 | J | mg/kg | 1 | 0.000198 | 0.00397 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Cadmium | N | 0.0264 | | mg/kg | 1 | 0.000627 | 0.0198 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Chromium | N | 0.139 | V | mg/kg | 1 | 0.00146 | 0.0595 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Copper | N | 1.57 | V | mg/kg | 1 | 0.00173 | 0.0198 | BGE2507 | 06/07/2023 15:00 | TBB |
| SW-7471B | Mercury | A | <0.00480 | U | mg/kg | 1 | 0.00480 | 0.00960 | BGE3655 | 06/08/2023 16:35 | AKR |
| EPA 200.8 | Lead | N | 0.113 | | mg/kg | 1 | 0.00150 | 0.00992 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Nickel | N | 0.184 | V | mg/kg | 1 | 0.000351 | 0.0198 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Selenium | N | 0.355 | | mg/kg | 1 | 0.0218 | 0.0397 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Thallium | N | 0.000556 | J | mg/kg | 1 | 0.000137 | 0.00992 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Zinc | N | 16.5 | | mg/kg | 5 | 0.0373 | 0.198 | BGE2507 | 06/07/2023 15:03 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.9 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-PRETEST-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-36RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 45.6 | V | ug/kg | 2 | 4.83 | 4.83 | BGE4145 | 06/10/2023 05:52 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <4.83 | U | ug/kg | 2 | 4.83 | 4.83 | BGE4145 | 06/10/2023 05:52 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 89.6 | V | ug/kg | 2 | 9.65 | 9.65 | BGE4145 | 06/10/2023 05:52 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *11.0%* | *S* | *60-140* | | | | | *06/10/2023 05:52* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *60.6%* | | *60-140* | | | | | *06/10/2023 05:52* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *57.7%* | *S* | *60-140* | | | | | *06/10/2023 05:52* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *94.2%* | | *60-140* | | | | | *06/10/2023 05:52* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *71.1%* | | *60-140* | | | | | *06/10/2023 05:52* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *37.9%* | *S* | *60-140* | | | | | *06/10/2023 05:52* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0200 | | mg/kg | 1 | 0.000140 | 0.00988 | BGF0507 | 06/09/2023 17:15 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control

### Semivolatile Organic Compounds by GCMS

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE4145 - SW-3570*** | | | | | | | | | | |
| **MB SV BT (BGE4145-BLK1)** | | | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | |
| Di-n-butyl phthalate | 3.59 | | 2.36 | ug/kg | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *55.7* | *ug/kg* | *75.6* | | *73.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *62.4* | *ug/kg* | *75.6* | | *82.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *49.2* | *ug/kg* | *75.6* | | *65.1* | *60-140* | | |
| **Blank (BGE4145-BLK2)** | | | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 8.93 | | 2.36 | ug/kg | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *59.4* | *ug/kg* | *75.6* | | *78.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *78.2* | *ug/kg* | *75.6* | | *103* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *53.3* | *ug/kg* | *75.6* | | *70.5* | *60-140* | | |
| **BS SV BT/IDOC1 (BGE4145-BS1)** | | | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | |
| Di-n-butyl phthalate | 51.4 | | 2.48 | ug/kg | 79.2 | | 64.9 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *52.0* | *ug/kg* | *79.2* | | *65.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *54.9* | *ug/kg* | *79.2* | | *69.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *31.2* | *ug/kg* | *79.2* | | *39.4* | *60-140* | | |
| **BS SV BT/IDOC1 (BGE4145-BS2)** | | | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 84.0 | | 2.48 | ug/kg | 79.2 | | 106 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *46.3* | *ug/kg* | *79.2* | | *58.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *68.3* | *ug/kg* | *79.2* | | *86.2* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *49.1* | *ug/kg* | *79.2* | | *62.0* | *60-140* | | |
| **BSD SV BT/IDOC2 (BGE4145-BSD1)** | | | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | |
| Di-n-butyl phthalate | 51.0 | | 2.43 | ug/kg | 77.8 | | 65.6 | 60-140 | 0.651 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *47.7* | *ug/kg* | *77.8* | | *61.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *48.6* | *ug/kg* | *77.8* | | *62.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *32.9* | *ug/kg* | *77.8* | | *42.2* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE4145 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD SV BT/IDOC2 (BGE4145-BSD2)** | | | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 89.4 | | 2.43 | ug/kg | 77.8 | | 115 | 60-140 | 6.16 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *43.7* | *ug/kg* | *77.8* | | *56.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *67.7* | *ug/kg* | *77.8* | | *87.0* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *51.6* | *ug/kg* | *77.8* | | *66.3* | *60-140* | | |
| **MDL SV BT (BGE4145-MRL1)** | | | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | |
| Di-n-butyl phthalate | 4.81 | | 2.42 | ug/kg | 7.74 | | 62.2 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *48.4* | *ug/kg* | *77.4* | | *62.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *60.8* | *ug/kg* | *77.4* | | *78.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *34.9* | *ug/kg* | *77.4* | | *45.0* | *60-140* | | |
| **MRL Check (BGE4145-MRL2)** | | | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 13.8 | J1 | 2.42 | ug/kg | 7.74 | | 178 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *50.3* | *ug/kg* | *77.4* | | *65.0* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *68.3* | *ug/kg* | *77.4* | | *88.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *43.7* | *ug/kg* | *77.4* | | *56.5* | *60-140* | | |
| **23E2848-11 MS (BGE4145-MS1)** | | **Source: 23E2848-11** | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | |
| Di-n-butyl phthalate | 41.7 | J1 | 2.24 | ug/kg | 71.8 | 6.50 | 49.0 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *34.4* | *ug/kg* | *71.8* | | *47.9* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *55.7* | *ug/kg* | *71.8* | | *77.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *23.0* | *ug/kg* | *71.8* | | *32.0* | *60-140* | | |
| **Matrix Spike (BGE4145-MS2)** | | **Source: 23E2848-11RE1** | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 58.8 | | 2.24 | ug/kg | 71.8 | 6.14 | 73.3 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *35.6* | *ug/kg* | *71.8* | | *49.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *73.3* | *ug/kg* | *71.8* | | *102* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *47.7* | *ug/kg* | *71.8* | | *66.4* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE4145 - SW-3570 (Continued)*** | | | | | | | | | | |
| **23E2848-11 MSD (BGE4145-MSD1)** | | **Source: 23E2848-11** | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | |
| Di-n-butyl phthalate | 45.7 | J1 | 2.36 | ug/kg | 75.6 | 6.50 | 51.8 | 60-140 | 9.14 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *32.9* | *ug/kg* | *75.6* | | *43.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *59.0* | *ug/kg* | *75.6* | | *78.0* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *23.4* | *ug/kg* | *75.6* | | *30.9* | *60-140* | | |
| **Matrix Spike Dup (BGE4145-MSD2)** | | **Source: 23E2848-11RE1** | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 67.1 | | 2.36 | ug/kg | 75.6 | 6.14 | 80.6 | 60-140 | 13.2 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *34.5* | *ug/kg* | *75.6* | | *45.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *70.6* | *ug/kg* | *75.6* | | *93.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *52.5* | *ug/kg* | *75.6* | | *69.4* | *60-140* | | |
| ***Batch: BGE4170 - SW-3570*** | | | | | | | | | | |
| **MB SV BT (BGE4170-BLK1)** | | | | | Prepared: 5/25/2023 Analyzed: 6/4/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 5.46 | | 2.45 | ug/kg | | | | | | |
| Di-n-butyl phthalate | 6.13 | | 2.45 | ug/kg | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *54.3* | *ug/kg* | *78.4* | | *69.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *50.8* | *ug/kg* | *78.4* | | *64.7* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *62.8* | *ug/kg* | *78.4* | | *80.1* | *60-140* | | |
| **BS SV BT (BGE4170-BS1)** | | | | | Prepared: 5/25/2023 Analyzed: 6/4/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 39.1 | J1 | 2.38 | ug/kg | 76.0 | | 51.4 | 60-140 | | |
| Di-n-butyl phthalate | 41.7 | J1 | 2.38 | ug/kg | 76.0 | | 54.9 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *35.6* | *ug/kg* | *76.0* | | *46.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *42.2* | *ug/kg* | *76.0* | | *55.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *30.6* | *ug/kg* | *76.0* | | *40.2* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE4170 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD SV BT (BGE4170-BSD1)** | | | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 40.9 | J1 | 2.47 | ug/kg | 79.1 | | 51.7 | 60-140 | 4.43 | 40 |
| Di-n-butyl phthalate | 40.6 | J1 | 2.47 | ug/kg | 79.1 | | 51.3 | 60-140 | 2.79 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *43.7* | *ug/kg* | *79.1* | | *55.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *46.1* | *ug/kg* | *79.1* | | *58.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *36.7* | *ug/kg* | *79.1* | | *46.5* | *60-140* | | |
| **MDL SV BT (BGE4170-MRL1)** | | | | | Prepared: 5/25/2023 Analyzed: 6/4/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 13.1 | J1 | 2.35 | ug/kg | 7.50 | | 174 | 50-150 | | |
| Di-n-butyl phthalate | 7.76 | | 2.35 | ug/kg | 7.50 | | 103 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *45.8* | *ug/kg* | *75.0* | | *61.0* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *51.0* | *ug/kg* | *75.0* | | *67.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *43.9* | *ug/kg* | *75.0* | | *58.5* | *60-140* | | |
| **23E284802 MS (BGE4170-MS1)** | | **Source: 23E2848-02** | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 28.6 | J1 | 2.45 | ug/kg | 78.4 | <2.45 | 36.4 | 60-140 | | |
| Di-n-butyl phthalate | 54.6 | J1 | 2.45 | ug/kg | 78.4 | 8.70 | 58.5 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *40.2* | *ug/kg* | *78.4* | | *51.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *48.3* | *ug/kg* | *78.4* | | *61.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *33.0* | *ug/kg* | *78.4* | | *42.1* | *60-140* | | |
| **23E284802 MSD (BGE4170-MSD1)** | | **Source: 23E2848-02** | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 36.9 | J1 | 2.44 | ug/kg | 78.0 | <2.44 | 47.3 | 60-140 | 25.4 | 40 |
| Di-n-butyl phthalate | 68.9 | | 2.44 | ug/kg | 78.0 | 8.70 | 77.2 | 60-140 | 23.2 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *43.9* | *ug/kg* | *78.0* | | *56.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *49.5* | *ug/kg* | *78.0* | | *63.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *37.2* | *ug/kg* | *78.0* | | *47.7* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Metals, Total

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2506 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BGE2506-BLK1)** | | | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Antimony | <0.0996 | U | 0.0996 | mg/kg | | | | | | |
| Arsenic | <0.0498 | U | 0.0498 | mg/kg | | | | | | |
| Cadmium | <0.0996 | U | 0.0996 | mg/kg | | | | | | |
| Chromium | 0.0342 | J | 0.299 | mg/kg | | | | | | |
| Copper | 0.0292 | J | 0.0996 | mg/kg | | | | | | |
| Lead | 0.0103 | J | 0.0498 | mg/kg | | | | | | |
| Nickel | 0.0150 | J | 0.0996 | mg/kg | | | | | | |
| Selenium | <0.199 | U | 0.199 | mg/kg | | | | | | |
| Thallium | <0.0498 | U | 0.0498 | mg/kg | | | | | | |
| **Blank (BGE2506-BLK3)** | | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Zinc | 1.34 | | 0.199 | mg/kg | | | | | | |
| **Blank (BGE2506-BLK4)** | | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Beryllium | <0.0199 | U | 0.0199 | mg/kg | | | | | | |
| **LCS (BGE2506-BS1)** | | | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Antimony | 9.72 | | 0.0956 | mg/kg | 9.56 | | 102 | 85-115 | | |
| Arsenic | 4.85 | | 0.0478 | mg/kg | 4.78 | | 102 | 85-115 | | |
| Cadmium | 9.43 | | 0.0956 | mg/kg | 9.56 | | 98.6 | 85-115 | | |
| Chromium | 28.1 | | 0.287 | mg/kg | 28.7 | | 97.9 | 85-115 | | |
| Copper | 9.45 | | 0.0956 | mg/kg | 9.56 | | 98.9 | 85-115 | | |
| Lead | 4.94 | | 0.0478 | mg/kg | 4.78 | | 103 | 85-115 | | |
| Nickel | 9.31 | | 0.0956 | mg/kg | 9.56 | | 97.4 | 85-115 | | |
| Thallium | 4.83 | | 0.0478 | mg/kg | 4.78 | | 101 | 85-115 | | |
| **LCS (BGE2506-BS3)** | | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Zinc | 20.5 | | 0.191 | mg/kg | 19.1 | | 107 | 85-115 | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2506 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **LCS (BGE2506-BS4)** | | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Beryllium | 2.10 | | 0.0191 | mg/kg | 1.91 | | 110 | 85-115 | | |
| Selenium | 20.7 | | 0.191 | mg/kg | 19.1 | | 108 | 85-115 | | |
| **Duplicate (BGE2506-DUP1)** | | **Source: 23E2848-01** | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Antimony | <0.0199 | U | 0.0199 | mg/kg | | <0.0199 | | | | 20 |
| Arsenic | 1.04 | | 0.00996 | mg/kg | | 1.09 | | | 5.51 | 20 |
| Cadmium | 0.0397 | | 0.0199 | mg/kg | | 0.0406 | | | 2.24 | 20 |
| Chromium | 0.0534 | J | 0.0598 | mg/kg | | 0.0481 | | | 10.5 | 20 |
| Copper | 1.16 | | 0.0199 | mg/kg | | 1.15 | | | 0.865 | 20 |
| Lead | 0.0255 | | 0.00996 | mg/kg | | 0.0265 | | | 4.16 | 20 |
| Nickel | 0.342 | | 0.0199 | mg/kg | | 0.343 | | | 0.201 | 20 |
| Selenium | 0.148 | | 0.0398 | mg/kg | | 0.151 | | | 2.17 | 20 |
| Thallium | 0.000398 | J | 0.00996 | mg/kg | | 0.000360 | | | 10.1 | 20 |
| **Duplicate (BGE2506-DUP2)** | | **Source: 23E2848-11** | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Cadmium | 0.0432 | | 0.0200 | mg/kg | | 0.0450 | | | 4.13 | 20 |
| Thallium | 0.000320 | J | 0.0100 | mg/kg | | 0.000340 | | | 6.06 | 20 |
| **Duplicate (BGE2506-DUP4)** | | **Source: 23E2848-11** | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Antimony | <0.0200 | U | 0.0200 | mg/kg | | <0.0200 | | | | 20 |
| Arsenic | 1.18 | | 0.0100 | mg/kg | | 1.24 | | | 5.39 | 20 |
| Chromium | 0.0367 | J | 0.0600 | mg/kg | | 0.0415 | | | 12.4 | 20 |
| Copper | 1.32 | | 0.0200 | mg/kg | | 1.42 | | | 7.35 | 20 |
| Lead | 0.0415 | | 0.0100 | mg/kg | | 0.0463 | | | 10.9 | 20 |
| Nickel | 0.316 | | 0.0200 | mg/kg | | 0.341 | | | 7.69 | 20 |
| **Duplicate (BGE2506-DUP5)** | | **Source: 23E2848-01** | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Zinc | 12.2 | | 0.398 | mg/kg | | 11.2 | | | 7.98 | 20 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2506 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BGE2506-DUP6)** | | **Source: 23E2848-11** | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Beryllium | 0.00126 | J | 0.00400 | mg/kg | | 0.00120 | | | 4.88 | 20 |
| Selenium | 0.169 | | 0.0400 | mg/kg | | 0.181 | | | 6.94 | 20 |
| **Duplicate (BGE2506-DUP7)** | | **Source: 23E2848-01** | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Beryllium | 0.00147 | J | 0.00398 | mg/kg | | 0.00122 | | | 18.9 | 20 |
| Zinc | 11.4 | | 0.199 | mg/kg | | 11.2 | | | 1.82 | 20 |
| **MDL Check (BGE2506-MRL1)** | | | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Antimony | 0.0506 | J | 0.102 | mg/kg | 0.0509 | | 99.4 | | | |
| Arsenic | 0.00163 | J | 0.0509 | mg/kg | 0.00509 | | 32.0 | | | |
| Cadmium | 0.00570 | J | 0.102 | mg/kg | 0.00509 | | 112 | | | |
| Chromium | 0.0303 | J | 0.305 | mg/kg | 0.0153 | | 199 | | | |
| Copper | 0.0360 | J | 0.102 | mg/kg | 0.0102 | | 354 | | | |
| Lead | 0.00611 | J | 0.0509 | mg/kg | 0.00509 | | 120 | | | |
| Nickel | 0.0162 | J | 0.102 | mg/kg | 0.00509 | | 318 | | | |
| Selenium | 0.116 | J | 0.204 | mg/kg | 0.102 | | 114 | | | |
| Thallium | 0.00295 | J | 0.0509 | mg/kg | 0.00255 | | 116 | | | |
| **MDL Check (BGE2506-MRL3)** | | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Zinc | 0.184 | J | 0.204 | mg/kg | 0.102 | | 180 | | | |
| **MDL Check (BGE2506-MRL4)** | | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Beryllium | 0.00132 | J | 0.0204 | mg/kg | 0.00102 | | 130 | | | |
| **Matrix Spike (BGE2506-MS1)** | | **Source: 23E2848-01** | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Antimony | 1.93 | | 0.0200 | mg/kg | 2.00 | <0.0200 | 96.6 | 75-125 | | |
| Arsenic | 1.94 | | 0.0500 | mg/kg | 1.00 | 1.09 | 84.6 | 75-125 | | |
| Cadmium | 1.97 | | 0.0200 | mg/kg | 2.00 | 0.0406 | 96.2 | 75-125 | | |
| Chromium | 5.93 | | 0.0600 | mg/kg | 6.00 | 0.0481 | 98.0 | 75-125 | | |
| Copper | 2.98 | | 0.0200 | mg/kg | 2.00 | 1.15 | 91.6 | 75-125 | | |
| Lead | 1.01 | | 0.0100 | mg/kg | 1.00 | 0.0265 | 98.8 | 75-125 | | |
| Nickel | 2.23 | | 0.0200 | mg/kg | 2.00 | 0.343 | 94.4 | 75-125 | | |
| Thallium | 0.932 | | 0.0100 | mg/kg | 1.00 | 0.000360 | 93.2 | 75-125 | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2506 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGE2506-MS2)** | | **Source: 23E2848-11** | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Cadmium | 1.87 | | 0.0201 | mg/kg | 2.01 | 0.0450 | 91.1 | 75-125 | | |
| Thallium | 0.866 | | 0.0100 | mg/kg | 1.00 | 0.000340 | 86.2 | 75-125 | | |
| **Matrix Spike (BGE2506-MS4)** | | **Source: 23E2848-11** | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Antimony | 1.91 | | 0.0201 | mg/kg | 2.01 | <0.0201 | 95.3 | 75-125 | | |
| Arsenic | 1.93 | J1 | 0.0502 | mg/kg | 1.00 | 1.24 | 68.3 | 75-125 | | |
| Chromium | 5.71 | | 0.0602 | mg/kg | 6.02 | 0.0415 | 94.0 | 75-125 | | |
| Copper | 3.06 | | 0.0201 | mg/kg | 2.01 | 1.42 | 81.6 | 75-125 | | |
| Lead | 0.947 | | 0.0100 | mg/kg | 1.00 | 0.0463 | 89.7 | 75-125 | | |
| Nickel | 2.14 | | 0.0201 | mg/kg | 2.01 | 0.341 | 89.3 | 75-125 | | |
| **Matrix Spike (BGE2506-MS5)** | | **Source: 23E2848-01** | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Beryllium | 0.431 | | 0.00400 | mg/kg | 0.400 | 0.00122 | 107 | 75-125 | | |
| Selenium | 5.38 | J1 | 0.0400 | mg/kg | 4.00 | 0.151 | 131 | 75-125 | | |
| Zinc | 16.6 | J1 | 0.200 | mg/kg | 4.00 | 11.2 | 133 | 75-125 | | |
| **Matrix Spike (BGE2506-MS6)** | | **Source: 23E2848-11** | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Beryllium | 0.406 | | 0.00402 | mg/kg | 0.402 | 0.00120 | 101 | 75-125 | | |
| Selenium | 5.39 | J1 | 0.0402 | mg/kg | 4.02 | 0.181 | 130 | 75-125 | | |
| Zinc | 15.2 | | 0.201 | mg/kg | 4.02 | 11.5 | 92.2 | 75-125 | | |
| ***Batch: BGE2507 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BGE2507-BLK1)** | | | | | Prepared: 5/16/2023 Analyzed: 6/6/2023 | | | | | |
| Antimony | <0.101 | U | 0.101 | mg/kg | | | | | | |
| Arsenic | <0.0503 | U | 0.0503 | mg/kg | | | | | | |
| Cadmium | <0.101 | U | 0.101 | mg/kg | | | | | | |
| Chromium | 0.0140 | J | 0.302 | mg/kg | | | | | | |
| Copper | 0.0256 | J | 0.101 | mg/kg | | | | | | |
| Lead | <0.0503 | U | 0.0503 | mg/kg | | | | | | |
| Nickel | 0.00573 | J | 0.101 | mg/kg | | | | | | |
| Selenium | <0.201 | U | 0.201 | mg/kg | | | | | | |
| Thallium | <0.0503 | U | 0.0503 | mg/kg | | | | | | |
| Zinc | <0.201 | U | 0.201 | mg/kg | | | | | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2507 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Blank (BGE2507-BLK2)** | | | | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | |
| Beryllium | <0.0201 | U | 0.0201 | mg/kg | | | | | | |
| **LCS (BGE2507-BS1)** | | | | | Prepared: 5/16/2023 Analyzed: 6/6/2023 | | | | | |
| Antimony | 10.2 | | 0.0952 | mg/kg | 9.52 | | 107 | 85-115 | | |
| Arsenic | 4.87 | | 0.0476 | mg/kg | 4.76 | | 102 | 85-115 | | |
| Cadmium | 9.47 | | 0.0952 | mg/kg | 9.52 | | 99.4 | 85-115 | | |
| Chromium | 28.1 | | 0.286 | mg/kg | 28.6 | | 98.4 | 85-115 | | |
| Copper | 10.1 | | 0.0952 | mg/kg | 9.52 | | 106 | 85-115 | | |
| Lead | 4.77 | | 0.0476 | mg/kg | 4.76 | | 100 | 85-115 | | |
| Nickel | 9.33 | | 0.0952 | mg/kg | 9.52 | | 97.9 | 85-115 | | |
| Selenium | 19.7 | | 0.190 | mg/kg | 19.0 | | 103 | 85-115 | | |
| Thallium | 4.80 | | 0.0476 | mg/kg | 4.76 | | 101 | 85-115 | | |
| Zinc | 19.6 | | 0.190 | mg/kg | 19.0 | | 103 | 85-115 | | |
| **LCS (BGE2507-BS2)** | | | | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | |
| Beryllium | 2.19 | | 0.0190 | mg/kg | 1.90 | | 115 | 85-115 | | |
| **Duplicate (BGE2507-DUP1)** | | **Source: 23E2848-20** | | | Prepared: 5/16/2023 Analyzed: 6/6/2023 | | | | | |
| Antimony | 0.00235 | J | 0.0201 | mg/kg | | 0.00238 | | | 1.29 | 20 |
| Arsenic | 2.04 | | 0.0502 | mg/kg | | 2.06 | | | 1.19 | 20 |
| Cadmium | 0.0291 | | 0.0201 | mg/kg | | 0.0301 | | | 3.66 | 20 |
| Chromium | 0.131 | | 0.0602 | mg/kg | | 0.116 | | | 11.8 | 20 |
| Copper | 1.12 | | 0.0201 | mg/kg | | 1.20 | | | 6.73 | 20 |
| Lead | 0.0898 | | 0.0100 | mg/kg | | 0.0943 | | | 4.82 | 20 |
| Nickel | 0.173 | | 0.0201 | mg/kg | | 0.172 | | | 0.447 | 20 |
| Selenium | 0.300 | | 0.0402 | mg/kg | | 0.300 | | | 0.227 | 20 |
| Thallium | 0.000361 | J | 0.0100 | mg/kg | | 0.000340 | | | 6.11 | 20 |
| Zinc | 24.0 | J1 | 0.201 | mg/kg | | 50.4 | | | 70.9 | 20 |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2507 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BGE2507-DUP2)** | | **Source: 23E2848-30** | | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | |
| Antimony | 0.00344 | J | 0.0200 | mg/kg | | 0.00319 | | | 7.40 | 20 |
| Arsenic | 1.85 | | 0.100 | mg/kg | | 1.95 | | | 5.46 | 20 |
| Beryllium | 0.000580 | J | 0.00400 | mg/kg | | 0.000615 | | | 5.87 | 20 |
| Cadmium | 0.0246 | | 0.0200 | mg/kg | | 0.0250 | | | 1.85 | 20 |
| Chromium | 0.151 | | 0.0600 | mg/kg | | 0.151 | | | 0.0322 | 20 |
| Copper | 2.56 | | 0.0200 | mg/kg | | 2.73 | | | 6.09 | 20 |
| Lead | 0.113 | | 0.0100 | mg/kg | | 0.123 | | | 9.11 | 20 |
| Nickel | 0.169 | | 0.0200 | mg/kg | | 0.181 | | | 7.12 | 20 |
| Selenium | 0.287 | J1 | 0.0400 | mg/kg | | 0.232 | | | 21.3 | 20 |
| Thallium | 0.000280 | J | 0.0100 | mg/kg | | 0.000278 | | | 0.797 | 20 |
| Zinc | 8.12 | J1 | 0.400 | mg/kg | | 24.7 | | | 101 | 20 |
| **Duplicate (BGE2507-DUP3)** | | **Source: 23E2848-20** | | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | |
| Beryllium | 0.000964 | J | 0.00402 | mg/kg | | 0.000920 | | | 4.66 | 20 |
| **MDL Check (BGE2507-MRL1)** | | | | | Prepared: 5/16/2023 Analyzed: 6/6/2023 | | | | | |
| Antimony | 0.0571 | J | 0.0990 | mg/kg | 0.0495 | | 115 | | | |
| Arsenic | <0.0495 | U | 0.0495 | mg/kg | 0.00495 | | | | | |
| Cadmium | 0.00634 | J | 0.0990 | mg/kg | 0.00495 | | 128 | | | |
| Chromium | 0.0550 | J | 0.297 | mg/kg | 0.0149 | | 370 | | | |
| Copper | 0.0366 | J | 0.0990 | mg/kg | 0.00990 | | 370 | | | |
| Lead | 0.00762 | J | 0.0495 | mg/kg | 0.00495 | | 154 | | | |
| Nickel | 0.0146 | J | 0.0990 | mg/kg | 0.00495 | | 294 | | | |
| Selenium | 0.102 | J | 0.198 | mg/kg | 0.0990 | | 103 | | | |
| Thallium | 0.00485 | J | 0.0495 | mg/kg | 0.00248 | | 196 | | | |
| Zinc | 0.128 | J | 0.198 | mg/kg | 0.0990 | | 129 | | | |
| **MDL Check (BGE2507-MRL2)** | | | | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | |
| Beryllium | 0.00158 | J | 0.0198 | mg/kg | 0.000990 | | 160 | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2507 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGE2507-MS1)** | | **Source: 23E2848-20** | | | Prepared: 5/16/2023 Analyzed: 6/6/2023 | | | | | |
| Antimony | 2.15 | | 0.0200 | mg/kg | 2.00 | 0.00238 | 107 | 75-125 | | |
| Arsenic | 3.11 | | 0.0500 | mg/kg | 1.00 | 2.06 | 104 | 75-125 | | |
| Cadmium | 2.06 | | 0.0200 | mg/kg | 2.00 | 0.0301 | 101 | 75-125 | | |
| Chromium | 6.15 | | 0.0600 | mg/kg | 6.00 | 0.116 | 101 | 75-125 | | |
| Copper | 3.00 | | 0.0200 | mg/kg | 2.00 | 1.20 | 89.9 | 75-125 | | |
| Lead | 1.05 | | 0.0100 | mg/kg | 1.00 | 0.0943 | 95.5 | 75-125 | | |
| Nickel | 2.09 | | 0.0200 | mg/kg | 2.00 | 0.172 | 96.0 | 75-125 | | |
| Selenium | 5.46 | J1 | 0.0400 | mg/kg | 4.00 | 0.300 | 129 | 75-125 | | |
| Thallium | 0.968 | | 0.0100 | mg/kg | 1.00 | 0.000340 | 96.7 | 75-125 | | |
| Zinc | 12.6 | J1 | 0.200 | mg/kg | 4.00 | 50.4 | NR | 75-125 | | |
| **Matrix Spike (BGE2507-MS2)** | | **Source: 23E2848-30** | | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | |
| Antimony | 2.11 | | 0.0199 | mg/kg | 1.99 | 0.00319 | 106 | 75-125 | | |
| Arsenic | 2.89 | | 0.0498 | mg/kg | 0.996 | 1.95 | 94.5 | 75-125 | | |
| Beryllium | 0.464 | | 0.00398 | mg/kg | 0.398 | 0.000615 | 116 | 75-125 | | |
| Cadmium | 2.14 | | 0.0199 | mg/kg | 1.99 | 0.0250 | 106 | 75-125 | | |
| Chromium | 6.75 | | 0.0598 | mg/kg | 5.98 | 0.151 | 110 | 75-125 | | |
| Copper | 4.88 | | 0.0996 | mg/kg | 1.99 | 2.73 | 108 | 75-125 | | |
| Lead | 1.13 | | 0.00996 | mg/kg | 0.996 | 0.123 | 101 | 75-125 | | |
| Nickel | 2.25 | | 0.0199 | mg/kg | 1.99 | 0.181 | 104 | 75-125 | | |
| Selenium | 5.70 | J1 | 0.0398 | mg/kg | 3.98 | 0.232 | 137 | 75-125 | | |
| Thallium | 0.996 | | 0.00996 | mg/kg | 0.996 | 0.000278 | 100 | 75-125 | | |
| Zinc | 27.5 | J1 | 0.199 | mg/kg | 3.98 | 24.7 | 70.5 | 75-125 | | |
| **Matrix Spike (BGE2507-MS3)** | | **Source: 23E2848-20** | | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | |
| Beryllium | 0.463 | | 0.00400 | mg/kg | 0.400 | 0.000920 | 116 | 75-125 | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE3654 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BGE3654-MRL1)** | | | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Mercury | 0.0107 | J | 0.0196 | mg/kg | 0.00979 | | 109 | | | |
| **Matrix Spike (BGE3654-MS1)** | | **Source: 23E2848-12** | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Mercury | 0.123 | | 0.00992 | mg/kg | 0.124 | <0.00992 | 99.1 | 80-120 | | |
| **Matrix Spike (BGE3654-MS2)** | | **Source: 23E2848-13** | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Mercury | 0.119 | | 0.00952 | mg/kg | 0.119 | <0.00952 | 99.8 | 80-120 | | |
| **Matrix Spike Dup (BGE3654-MSD1)** | | **Source: 23E2848-12** | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Mercury | 0.117 | | 0.00945 | mg/kg | 0.118 | <0.00945 | 99.0 | 80-120 | 4.96 | 20 |
| **Matrix Spike Dup (BGE3654-MSD2)** | | **Source: 23E2848-13** | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Mercury | 0.121 | | 0.00976 | mg/kg | 0.122 | <0.00976 | 99.6 | 80-120 | 2.21 | 20 |
| ***Batch: BGE3655 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BGE3655-MRL1)** | | | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Mercury | 0.00988 | J | 0.0200 | mg/kg | 0.00998 | | 99.0 | | | |
| **Matrix Spike (BGE3655-MS1)** | | **Source: 23E2848-22** | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Mercury | 0.121 | | 0.00960 | mg/kg | 0.120 | <0.00960 | 100 | 80-120 | | |
| **Matrix Spike (BGE3655-MS2)** | | **Source: 23E2848-23** | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Mercury | 0.114 | | 0.00930 | mg/kg | 0.116 | <0.00930 | 97.8 | 80-120 | | |
| **Matrix Spike Dup (BGE3655-MSD1)** | | **Source: 23E2848-22** | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Mercury | 0.126 | | 0.00976 | mg/kg | 0.122 | <0.00976 | 103 | 80-120 | 4.54 | 20 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE3655 - SW-7471 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BGE3655-MSD2)** | | **Source: 23E2848-23** | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Mercury | 0.124 | | 0.0100 | mg/kg | 0.125 | <0.0100 | 99.2 | 80-120 | 8.69 | 20 |
| ***Batch: BGF0506 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BGF0506-BLK1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | <0.0505 | U | 0.0505 | mg/kg | | | | | | |
| **LCS (BGF0506-BS1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 1.79 | J1 | 0.0467 | mg/kg | 4.67 | | 38.4 | 85-115 | | |
| **Duplicate (BGF0506-DUP1)** | | **Source: 23E2848-01RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.0162 | | 0.0100 | mg/kg | | 0.0167 | | | 2.92 | 20 |
| **Duplicate (BGF0506-DUP2)** | | **Source: 23E2848-11RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.0151 | | 0.00996 | mg/kg | | 0.0155 | | | 2.91 | 20 |
| **MDL Check (BGF0506-MRL1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.00216 | J | 0.0490 | mg/kg | 0.00245 | | 88.0 | | | |
| **Matrix Spike (BGF0506-MS1)** | | **Source: 23E2848-01RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.554 | J1 | 0.00996 | mg/kg | 0.996 | 0.0167 | 53.9 | 75-125 | | |
| **Matrix Spike (BGF0506-MS2)** | | **Source: 23E2848-11RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.379 | J1 | 0.00977 | mg/kg | 0.977 | 0.0155 | 37.2 | 75-125 | | |
| ***Batch: BGF0507 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BGF0507-BLK1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | <0.0500 | U | 0.0500 | mg/kg | | | | | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGF0507 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **LCS (BGF0507-BS1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 2.22 | J1 | 0.0505 | mg/kg | 5.05 | | 43.9 | 85-115 | | |
| **Duplicate (BGF0507-DUP1)** | | **Source: 23E2848-21RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.0152 | | 0.00962 | mg/kg | | 0.0133 | | | 13.4 | 20 |
| **Duplicate (BGF0507-DUP2)** | | **Source: 23E2848-32RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.0147 | | 0.00996 | mg/kg | | 0.0141 | | | 3.84 | 20 |
| **MDL Check (BGF0507-MRL1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.00263 | J | 0.0505 | mg/kg | 0.00253 | | 104 | | | |
| **Matrix Spike (BGF0507-MS1)** | | **Source: 23E2848-21RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.816 | | 0.0100 | mg/kg | 1.00 | 0.0133 | 80.3 | 75-125 | | |
| **Matrix Spike (BGF0507-MS2)** | | **Source: 23E2848-32RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.563 | J1 | 0.00992 | mg/kg | 0.992 | 0.0141 | 55.3 | 75-125 | | |
| ***Batch: SGF0026 - BGE2506*** | | | | | | | | | | |
| **Interference Check A (SGF0026-IFA1)** | | | | | Prepared & Analyzed: 6/2/2023 | | | | | |
| Antimony | 0.149 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.126 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.384 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.42 | | | ug/L | | | | 70-130 | | |
| Copper | 0.164 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0720 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.595 | | | ug/L | | | | 70-130 | | |
| Selenium | 0.195 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.00800 | | | ug/L | | | | 70-130 | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:04 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SGF0026 - BGE2506 (Continued)*** | | | | | | | | | | |
| **Interference Check B (SGF0026-IFB1)** | | | | | Prepared & Analyzed: 6/2/2023 | | | | | |
| Antimony | 96.9 | | | ug/L | 100 | | 96.9 | 70-130 | | |
| Arsenic | 49.6 | | | ug/L | 50.0 | | 99.2 | 70-130 | | |
| Cadmium | 94.8 | | | ug/L | 100 | | 94.8 | 70-130 | | |
| Chromium | 287 | | | ug/L | 300 | | 95.8 | 70-130 | | |
| Copper | 89.9 | | | ug/L | 100 | | 89.9 | 70-130 | | |
| Lead | 45.5 | | | ug/L | 50.0 | | 91.0 | 70-130 | | |
| Nickel | 89.7 | | | ug/L | 100 | | 89.7 | 70-130 | | |
| Selenium | 198 | | | ug/L | 200 | | 99.1 | 70-130 | | |
| Thallium | 46.5 | | | ug/L | 50.0 | | 93.0 | 70-130 | | |
| ***Batch: SGF0034 - BGE2506*** | | | | | | | | | | |
| **Interference Check A (SGF0034-IFA1)** | | | | | Prepared & Analyzed: 6/2/2023 | | | | | |
| Antimony | 0.139 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.106 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.26 | | | ug/L | | | | 70-130 | | |
| Copper | 0.117 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0640 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.574 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0034-IFB1)** | | | | | Prepared & Analyzed: 6/2/2023 | | | | | |
| Antimony | 94.4 | | | ug/L | 100 | | 94.4 | 70-130 | | |
| Arsenic | 49.5 | | | ug/L | 50.0 | | 99.0 | 70-130 | | |
| Chromium | 287 | | | ug/L | 300 | | 95.6 | 70-130 | | |
| Copper | 86.8 | | | ug/L | 100 | | 86.8 | 70-130 | | |
| Lead | 46.6 | | | ug/L | 50.0 | | 93.1 | 70-130 | | |
| Nickel | 88.0 | | | ug/L | 100 | | 88.0 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SGF0074 - BGE2507*** | | | | | | | | | | |
| **Interference Check A (SGF0074-IFA1)** | | | | | Prepared & Analyzed: 6/6/2023 | | | | | |
| Antimony | 0.215 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.125 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.410 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.67 | | | ug/L | | | | 70-130 | | |
| Copper | 0.296 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0900 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.644 | | | ug/L | | | | 70-130 | | |
| Selenium | 0.186 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.0320 | | | ug/L | | | | 70-130 | | |
| Zinc | 0.144 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0074-IFB1)** | | | | | Prepared & Analyzed: 6/6/2023 | | | | | |
| Antimony | 104 | | | ug/L | 100 | | 104 | 70-130 | | |
| Arsenic | 52.0 | | | ug/L | 50.0 | | 104 | 70-130 | | |
| Cadmium | 99.9 | | | ug/L | 100 | | 99.9 | 70-130 | | |
| Chromium | 295 | | | ug/L | 300 | | 98.3 | 70-130 | | |
| Copper | 98.9 | | | ug/L | 100 | | 98.9 | 70-130 | | |
| Lead | 45.0 | | | ug/L | 50.0 | | 89.9 | 70-130 | | |
| Nickel | 92.5 | | | ug/L | 100 | | 92.5 | 70-130 | | |
| Selenium | 213 | | | ug/L | 200 | | 106 | 70-130 | | |
| Thallium | 48.2 | | | ug/L | 50.0 | | 96.4 | 70-130 | | |
| Zinc | 192 | | | ug/L | 200 | | 96.2 | 70-130 | | |
| ***Batch: SGF0091 - BGE2507*** | | | | | | | | | | |
| **Interference Check A (SGF0091-IFA1)** | | | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Antimony | 0.159 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.103 | | | ug/L | | | | 70-130 | | |
| Beryllium | 0.00200 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.367 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.29 | | | ug/L | | | | 70-130 | | |
| Copper | 0.144 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0700 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.582 | | | ug/L | | | | 70-130 | | |
| Selenium | 0.249 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.0160 | | | ug/L | | | | 70-130 | | |
| Zinc | 1.26 | | | ug/L | | | | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SGF0091 - BGE2507 (Continued)*** | | | | | | | | | | |
| **Interference Check B (SGF0091-IFB1)** | | | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Antimony | 103 | | | ug/L | 100 | | 103 | 70-130 | | |
| Arsenic | 52.0 | | | ug/L | 50.0 | | 104 | 70-130 | | |
| Beryllium | 18.5 | | | ug/L | 20.0 | | 92.6 | 70-130 | | |
| Cadmium | 98.9 | | | ug/L | 100 | | 98.9 | 70-130 | | |
| Chromium | 295 | | | ug/L | 300 | | 98.4 | 70-130 | | |
| Copper | 96.1 | | | ug/L | 100 | | 96.1 | 70-130 | | |
| Lead | 46.1 | | | ug/L | 50.0 | | 92.2 | 70-130 | | |
| Nickel | 93.3 | | | ug/L | 100 | | 93.3 | 70-130 | | |
| Selenium | 213 | | | ug/L | 200 | | 107 | 70-130 | | |
| Thallium | 46.8 | | | ug/L | 50.0 | | 93.5 | 70-130 | | |
| Zinc | 193 | | | ug/L | 200 | | 96.3 | 70-130 | | |
| ***Batch: SGF0122 - BGE2506*** | | | | | | | | | | |
| **Interference Check A (SGF0122-IFA1)** | | | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Arsenic | 0.0990 | | | ug/L | | | | 70-130 | | |
| Beryllium | 0.00800 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.28 | | | ug/L | | | | 70-130 | | |
| Copper | 0.338 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.573 | | | ug/L | | | | 70-130 | | |
| Selenium | 0.185 | | | ug/L | | | | 70-130 | | |
| Zinc | 0.665 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0122-IFB1)** | | | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Arsenic | 51.2 | | | ug/L | 50.0 | | 102 | 70-130 | | |
| Beryllium | 18.1 | | | ug/L | 20.0 | | 90.6 | 70-130 | | |
| Chromium | 286 | | | ug/L | 300 | | 95.3 | 70-130 | | |
| Copper | 92.8 | | | ug/L | 100 | | 92.8 | 70-130 | | |
| Nickel | 90.9 | | | ug/L | 100 | | 90.9 | 70-130 | | |
| Selenium | 208 | | | ug/L | 200 | | 104 | 70-130 | | |
| Zinc | 189 | | | ug/L | 200 | | 94.7 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SGF0142 - BGF0506*** | | | | | | | | | | |
| **Interference Check A (SGF0142-IFA1)** | | | | | Prepared & Analyzed: 6/9/2023 | | | | | |
| Silver | 0.00700 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0142-IFB1)** | | | | | Prepared & Analyzed: 6/9/2023 | | | | | |
| Silver | 45.6 | | | ug/L | 50.0 | | 91.3 | 70-130 | | |
| ***Batch: SGF0149 - BGF0506*** | | | | | | | | | | |
| **Interference Check A (SGF0149-IFA1)** | | | | | Prepared & Analyzed: 6/9/2023 | | | | | |
| Silver | 0.00800 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0149-IFB1)** | | | | | Prepared & Analyzed: 6/9/2023 | | | | | |
| Silver | 46.5 | | | ug/L | 50.0 | | 93.0 | 70-130 | | |
| ***Batch: SGF0246 - BGE2506*** | | | | | | | | | | |
| **Interference Check A (SGF0246-IFA1)** | | | | | Prepared & Analyzed: 6/15/2023 | | | | | |
| Arsenic | 0.0830 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0246-IFB1)** | | | | | Prepared & Analyzed: 6/15/2023 | | | | | |
| Arsenic | 52.1 | | | ug/L | 50.0 | | 104 | 70-130 | | |

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## Quality Control
**(Continued)**

### General Chemistry

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2233 - Percent Solids*** | | | | | | | | | | |
| **Blank (BGE2233-BLK1)** | | | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BGE2233-DUP1)** | | **Source: 23E2848-01** | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 10.4 | | 0.100 | % | | 10.6 | | | 1.47 | 10 |
| **Duplicate (BGE2233-DUP2)** | | **Source: 23E2848-36** | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 14.0 | | 0.100 | % | | 13.9 | | | 0.908 | 10 |
| **Reference (BGE2233-SRM1)** | | | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 0.369 | | 0.100 | % | 0.350 | | 105 | 78.9-118 | | |
| ***Batch: BGE2234 - Percent Solids*** | | | | | | | | | | |
| **Blank (BGE2234-BLK1)** | | | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BGE2234-DUP1)** | | **Source: 23E2848-03** | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 9.17 | | 0.100 | % | | 9.19 | | | 0.209 | 10 |
| **Duplicate (BGE2234-DUP2)** | | **Source: 23E2848-10** | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 9.70 | | 0.100 | % | | 9.80 | | | 1.07 | 10 |
| **Reference (BGE2234-SRM1)** | | | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 0.377 | | 0.100 | % | 0.350 | | 108 | 78.9-118 | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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# Sample Condition Checklist

**Work Order: 23E2848**

| Check Points | |
|---|---|
| No | Custody Seals |
| Yes | Containers Intact |
| Yes | COC/Labels Agree |
| Yes | Received On Ice |
| Yes | Appropriate Containers |
| Yes | Appropriate Sample Volume |
| No | Coolers Intact |
| Yes | Samples Accepted |

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## Term and Qualifier Definitions

| Item | Definition |
|---|---|
| A | Detection limit elevated due to abundance of non-target analyte. |
| B | Analyte was found in the associated method blank. |
| J | Estimated value - The reported value is between the detection limit and reporting limit. |
| J1 | Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision. |
| S | The surrogate recovery was outside the established laboratory recovery limit. |
| U | Non-detected compound. |
| V | Analyte was detected in both sample and method blank. |
| RPD | Relative Percent Difference |
| %REC | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated |
| * | A = Accredited, N = Not Accredited or Accreditation not available |
| DF | Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content |
| MDL | Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B. |
| SDL | Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL. |
| MRL | Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard. |
| LRL | Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL. |

# CHAIN OF CUSTODY RECORD

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**23E2848**

| | | |
|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** | **Schedule Comments:** |

| Sample ID | Collection Point | Date/Time Begin | Date/Time Sampled | Sample Type | Container | Analysis/Preservation | Field Results |
|---|---|---|---|---|---|---|---|
| 23E2848-01 | MM-CDP-06-1 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-02 | MM-CDP-06-2 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

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**23E2848**

(Continued)

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:**<br>**Schedule Comments:** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-03 | MM-CDP-06-3 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20( <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-04 | MM-CDP-06-4 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20( <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** | **Schedule Comments:** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-05 | MM-CDP-06-5 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.: <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-06 | MM-CDP-07-1 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.: <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX1001 4°C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|---|---|---|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** | | | | | | **Schedule Comments:** |
| 23E2848-07 | MM-CDP-07-2 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS 2 <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.8 <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 200 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-08 | MM-CDP-07-3 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS 2 <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.8 <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 200 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

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|---|---|---|---|---|---|---|---|
| 23E2848-09 | MM-CDP-07-4 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-10 | MM-CDP-07-5 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-11 | MM-REF-1 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-12 | MM-REF-2 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-13 | MM-REF-3 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 4°C<br>TS-2540 G <-20°C | |
| 23E2848-14 | MM-REF-4 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 4°C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-15 | MM-REF-5 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-16 | MM-CDP-PRETEST-1 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-17 | MM-CDP-PRETEST-2 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-18 | MM-CDP-PRETEST-3 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-19 | NV-CDP-06-1 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20( <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-20 | NV-CDP-06-2 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20( <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

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|---|---|---|---|---|---|---|---|
| 23E2848-21 | NV-CDP-06-3 | | 4-1-23 1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-22 | NV-CDP-06-4 | | 4-1-23 1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

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(936) 321-6060 - lab@nwdls.com

TCEQ T104704238-23-39



**23E2848**

(Continued)

| | |
|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-23 | NV-CDP-06-5 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-24 | NV-CDP-07-1 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

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**23E2848**

(Continued)

| | |
|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-25 | NV-CDP-07-2 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-26 | NV-CDP-07-3 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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**23E2848**

(Continued)

| | |
|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-27 | NV-CDP-07-4 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.: <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-28 | NV-CDP-07-5 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.: <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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**23E2848**

(Continued)

| | | |
|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** | **Schedule Comments:** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-29 | NV-REF-1 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX1001 4°C<br>TS-2540 G <-20°C | |
| 23E2848-30 | NV-REF-2 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX1001 4°C<br>TS-2540 G <-20°C | |

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**23E2848**

(Continued)

| | |
|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name**: PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-31 | NV-REF-3 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-32 | NV-REF-4 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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**23E2848**

(Continued)

| | |
|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-33 | NV-REF-5 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-34 | NV-CDP-PRETEST-1 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

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**23E2848**

(Continued)

| | | |
|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** | **Schedule Comments:** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-35 | NV-CDP-PRETEST-2 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-36 | NV-CDP-PRETEST-3 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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**23E2848**

(Continued)

| | | |
|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** | **Schedule Comments:** |

| | | | | |
|---|---|---|---|---|
| **Field Remarks:** | | **Preservation: (Circle and Write ID)** H2SO4 HNO3 NaOH Other: | | |
| Sampler (Signature) | Relinquished By: (Signature) | Date/Time 5/10/23 15:00 | Received By: (Signature) | Date/Time |
| Print Name: Thermo Gray | Relinquished By: (Signature) | Date/Time | Received By: (Signature) | Date/Time |
| Affiliation: TDX Lab | Relinquished To Lab By: (Signature) | Date/Time | Received for Laboratory By: (Signature) | Date/Time 5/10/23 16:00 |

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

Anamar

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TCEQ T104704238-23-39

June 16, 2023

# LAB REPORT

Gregg Pawlak
Terracon_Houston
11555 Clay Road
Houston, TX 77043

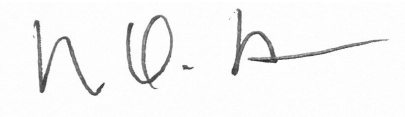
Report ID: 20230616110719MM

RE: PCCA CDP TISSUE CHEM

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,



Monica O. Martin
Chief Administrative Officer

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www. NWDLS.com
TCEQ T104704238-23-39

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Work Order Case Narrative

A total of 36 samples were collected on:

| Laboratory ID | Sample Name | Sample Date |
|---|---|---|
| 23E2848-01 | MM-CDP-06-1 | 04/01/2023 11:00 |
| 23E2848-02 | MM-CDP-06-2 | 04/01/2023 11:00 |
| 23E2848-03 | MM-CDP-06-3 | 04/01/2023 11:00 |
| 23E2848-04 | MM-CDP-06-4 | 04/01/2023 11:00 |
| 23E2848-05 | MM-CDP-06-5 | 04/01/2023 11:00 |
| 23E2848-06 | MM-CDP-07-1 | 04/01/2023 11:00 |
| 23E2848-07 | MM-CDP-07-2 | 04/01/2023 11:00 |
| 23E2848-08 | MM-CDP-07-3 | 04/01/2023 11:00 |
| 23E2848-09 | MM-CDP-07-4 | 04/01/2023 11:00 |
| 23E2848-10 | MM-CDP-07-5 | 04/01/2023 11:00 |
| 23E2848-11 | MM-REF-1 | 04/01/2023 11:00 |
| 23E2848-12 | MM-REF-2 | 04/01/2023 11:00 |
| 23E2848-13 | MM-REF-3 | 04/01/2023 11:00 |
| 23E2848-14 | MM-REF-4 | 04/01/2023 11:00 |
| 23E2848-15 | MM-REF-5 | 04/01/2023 11:00 |
| 23E2848-16 | MM-CDP-PRETEST-1 | 04/01/2023 11:00 |
| 23E2848-17 | MM-CDP-PRETEST-2 | 04/01/2023 11:00 |
| 23E2848-18 | MM-CDP-PRETEST-3 | 04/01/2023 11:00 |
| 23E2848-19 | NV-CDP-06-1 | 04/01/2023 13:00 |
| 23E2848-20 | NV-CDP-06-2 | 04/01/2023 13:00 |
| 23E2848-21 | NV-CDP-06-3 | 04/01/2023 13:00 |
| 23E2848-22 | NV-CDP-06-4 | 04/01/2023 13:00 |
| 23E2848-23 | NV-CDP-06-5 | 04/01/2023 13:00 |
| 23E2848-24 | NV-CDP-07-1 | 04/01/2023 13:00 |
| 23E2848-25 | NV-CDP-07-2 | 04/01/2023 13:00 |
| 23E2848-26 | NV-CDP-07-3 | 04/01/2023 13:00 |
| 23E2848-27 | NV-CDP-07-4 | 04/01/2023 13:00 |
| 23E2848-28 | NV-CDP-07-5 | 04/01/2023 13:00 |
| 23E2848-29 | NV-REF-1 | 04/01/2023 13:00 |
| 23E2848-30 | NV-REF-2 | 04/01/2023 13:00 |
| 23E2848-31 | NV-REF-3 | 04/01/2023 13:00 |
| 23E2848-32 | NV-REF-4 | 04/01/2023 13:00 |
| 23E2848-33 | NV-REF-5 | 04/01/2023 13:00 |
| 23E2848-34 | NV-CDP-PRETEST-1 | 04/01/2023 13:00 |
| 23E2848-35 | NV-CDP-PRETEST-2 | 04/01/2023 13:00 |
| 23E2848-36 | NV-CDP-PRETEST-3 | 04/01/2023 13:00 |

Samples were received and accepted at NWDLS on 05/10/2023 15:00. Samples were held in freezer storage until digestion and/or extraction began for all tests, including subcontracted tests. Any receiving discrepancies are recorded and stored in NWDLS' database. The samples received a Work Order of 23E2848. The lab sample IDs, client sample IDs, and dates of collection can be found at the top of each result page.

NWDLS provided their lowest detection limit for all requested analyses. Note that detection and reporting limits are adjusted to account for sample specific parameters.

Any QC that did not meet the laboratory specified control limits was flagged and reported with qualifiers. For additional

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

information, please refer to the included quality control data pages.

NWDLS
North Water District Laboratory Services, Inc.

130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
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TCEQ T104704238-23-39

| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results

Client Sample ID: MM-CDP-06-1
Lab Sample ID: 23E2848-01
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 415 | V | ug/kg dry | 1 | 44.6 | 44.6 | BGE4170 | 06/05/2023 02:34 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *14.7%* | *S* | *60-140* | | | | | *06/05/2023 02:34* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *57.1%* | *S* | *60-140* | | | | | *06/05/2023 02:34* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *64.6%* | | *60-140* | | | | | *06/05/2023 02:34* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0152 | U | mg/kg dry | 1 | 0.0152 | 0.189 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Arsenic | N | 10.4 | | mg/kg dry | 1 | 0.0233 | 0.0947 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Beryllium | N | 0.0116 | J | mg/kg dry | 1 | 0.00189 | 0.0379 | BGE2506 | 06/08/2023 15:40 | TBB |
| EPA 200.8 | Cadmium | N | 0.385 | | mg/kg dry | 1 | 0.00598 | 0.189 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Chromium | N | 0.455 | V, J | mg/kg dry | 1 | 0.0139 | 0.568 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Copper | N | 10.9 | V | mg/kg dry | 1 | 0.0165 | 0.189 | BGE2506 | 06/02/2023 09:58 | TBB |
| SW-7471B | Mercury | A | <0.0466 | U | mg/kg dry | 1 | 0.0466 | 0.0931 | BGE3654 | 06/07/2023 13:28 | AKR |
| EPA 200.8 | Lead | N | 0.251 | V | mg/kg dry | 1 | 0.0143 | 0.0947 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Nickel | N | 3.25 | V | mg/kg dry | 1 | 0.00335 | 0.189 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Selenium | N | 1.43 | | mg/kg dry | 1 | 0.208 | 0.379 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Thallium | N | 0.00341 | J | mg/kg dry | 1 | 0.00131 | 0.0947 | BGE2506 | 06/02/2023 09:58 | TBB |
| EPA 200.8 | Zinc | N | 106 | V | mg/kg dry | 5 | 0.356 | 1.89 | BGE2506 | 06/08/2023 15:50 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.6 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-1
Lab Sample ID: 23E2848-01RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.158 | | mg/kg dry | 1 | 0.00133 | 0.0939 | BGF0506 | 06/09/2023 13:24 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-2
Lab Sample ID: 23E2848-02
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 480 | V | ug/kg dry | 1 | 47.4 | 47.4 | BGE4170 | 06/05/2023 02:00 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *39.0%* | *S* | *60-140* | | | | | *06/05/2023 02:00* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *75.0%* | | *60-140* | | | | | *06/05/2023 02:00* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *69.8%* | | *60-140* | | | | | *06/05/2023 02:00* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0154 | U | mg/kg dry | 1 | 0.0154 | 0.192 | BGE2506 | 06/02/2023 10:13 | TBB |
| EPA 200.8 | Arsenic | N | 9.79 | A | mg/kg dry | 5 | 0.118 | 0.479 | BGE2506 | 06/02/2023 10:23 | TBB |
| EPA 200.8 | Beryllium | N | 0.0148 | J | mg/kg dry | 1 | 0.00192 | 0.0383 | BGE2506 | 06/08/2023 15:52 | TBB |
| EPA 200.8 | Cadmium | N | 0.413 | | mg/kg dry | 1 | 0.00605 | 0.192 | BGE2506 | 06/02/2023 10:13 | TBB |
| EPA 200.8 | Chromium | N | 0.317 | A, V, J | mg/kg dry | 5 | 0.0704 | 2.87 | BGE2506 | 06/02/2023 10:23 | TBB |
| EPA 200.8 | Copper | N | 11.2 | A, V | mg/kg dry | 5 | 0.0833 | 0.958 | BGE2506 | 06/02/2023 10:23 | TBB |
| SW-7471B | Mercury | A | <0.0479 | U | mg/kg dry | 1 | 0.0479 | 0.0958 | BGE3654 | 06/07/2023 13:32 | AKR |
| EPA 200.8 | Lead | N | 0.285 | V | mg/kg dry | 1 | 0.0145 | 0.0958 | BGE2506 | 06/02/2023 10:13 | TBB |
| EPA 200.8 | Nickel | N | 3.52 | A, V | mg/kg dry | 5 | 0.0170 | 0.958 | BGE2506 | 06/02/2023 10:23 | TBB |
| EPA 200.8 | Selenium | N | 1.54 | A | mg/kg dry | 1 | 0.211 | 0.383 | BGE2506 | 06/02/2023 10:13 | TBB |
| EPA 200.8 | Thallium | N | 0.00383 | J | mg/kg dry | 1 | 0.00132 | 0.0958 | BGE2506 | 06/02/2023 10:13 | TBB |
| EPA 200.8 | Zinc | N | 114 | V | mg/kg dry | 10 | 0.719 | 3.83 | BGE2506 | 06/08/2023 12:40 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.4 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-02RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.143 | | mg/kg dry | 1 | 0.00134 | 0.0947 | BGF0506 | 06/09/2023 13:31 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-3
Lab Sample ID: 23E2848-03
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 37.7 | V | ug/kg dry | 1 | 25.5 | 25.5 | BGE4170 | 06/05/2023 03:09 | KRB |
| SW-8270 | Phenol, Total | A | 537 | V | ug/kg dry | 1 | 51.0 | 51.0 | BGE4170 | 06/05/2023 03:09 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *16.3%* | *S* | *60-140* | | | | | *06/05/2023 03:09* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *60.2%* | | *60-140* | | | | | *06/05/2023 03:09* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *66.8%* | | *60-140* | | | | | *06/05/2023 03:09* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0175 | U | mg/kg dry | 1 | 0.0175 | 0.217 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Arsenic | N | 10.9 | | mg/kg dry | 1 | 0.0267 | 0.108 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Beryllium | N | 0.0180 | J | mg/kg dry | 1 | 0.00217 | 0.0434 | BGE2506 | 06/08/2023 15:57 | TBB |
| EPA 200.8 | Cadmium | N | 0.441 | | mg/kg dry | 1 | 0.00685 | 0.217 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Chromium | N | 0.372 | V, J | mg/kg dry | 1 | 0.0159 | 0.651 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Copper | N | 11.0 | V | mg/kg dry | 1 | 0.0189 | 0.217 | BGE2506 | 06/02/2023 10:25 | TBB |
| SW-7471B | Mercury | A | <0.0506 | U | mg/kg dry | 1 | 0.0506 | 0.101 | BGE3654 | 06/07/2023 13:35 | AKR |
| EPA 200.8 | Lead | N | 0.326 | V | mg/kg dry | 1 | 0.0164 | 0.108 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Nickel | N | 3.91 | V | mg/kg dry | 1 | 0.00384 | 0.217 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Selenium | N | 1.55 | | mg/kg dry | 1 | 0.239 | 0.434 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Thallium | N | 0.00607 | J | mg/kg dry | 1 | 0.00150 | 0.108 | BGE2506 | 06/02/2023 10:25 | TBB |
| EPA 200.8 | Zinc | N | 133 | V | mg/kg dry | 10 | 0.814 | 4.34 | BGE2506 | 06/08/2023 12:43 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 9.19 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-03RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.129 | | mg/kg dry | 1 | 0.00151 | 0.106 | BGF0506 | 06/09/2023 13:34 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-4
Lab Sample ID: 23E2848-04
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 460 | V | ug/kg dry | 1 | 42.8 | 42.8 | BGE4170 | 06/05/2023 03:44 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *20.5%* | *S* | *60-140* | | | | | *06/05/2023 03:44* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *59.3%* | *S* | *60-140* | | | | | *06/05/2023 03:44* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *62.9%* | | *60-140* | | | | | *06/05/2023 03:44* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0153 | U | mg/kg dry | 1 | 0.0153 | 0.191 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Arsenic | N | 10.6 | | mg/kg dry | 1 | 0.0234 | 0.0953 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Beryllium | N | 0.0114 | J | mg/kg dry | 5 | 0.00953 | 0.191 | BGE2506 | 06/08/2023 12:53 | TBB |
| EPA 200.8 | Cadmium | N | 0.337 | | mg/kg dry | 1 | 0.00602 | 0.191 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Chromium | N | 0.358 | V, J | mg/kg dry | 1 | 0.0140 | 0.572 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Copper | N | 9.10 | V | mg/kg dry | 1 | 0.0166 | 0.191 | BGE2506 | 06/02/2023 10:30 | TBB |
| SW-7471B | Mercury | A | <0.0443 | U | mg/kg dry | 1 | 0.0443 | 0.0886 | BGE3654 | 06/07/2023 13:38 | AKR |
| EPA 200.8 | Lead | N | 0.318 | V | mg/kg dry | 1 | 0.0144 | 0.0953 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Nickel | N | 2.40 | V | mg/kg dry | 1 | 0.00337 | 0.191 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Selenium | N | 1.36 | | mg/kg dry | 1 | 0.210 | 0.381 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Thallium | N | 0.00324 | J | mg/kg dry | 1 | 0.00131 | 0.0953 | BGE2506 | 06/02/2023 10:30 | TBB |
| EPA 200.8 | Zinc | N | 94.9 | V | mg/kg dry | 5 | 0.358 | 1.91 | BGE2506 | 06/08/2023 12:53 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.5 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-04RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.101 | | mg/kg dry | 1 | 0.00132 | 0.0930 | BGF0506 | 06/09/2023 13:36 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-06-5
Lab Sample ID: 23E2848-05
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 628 | V | ug/kg dry | 1 | 43.4 | 43.4 | BGE4170 | 06/05/2023 04:18 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *7.95%* | *S* | *60-140* | | | | | *06/05/2023 04:18* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *69.5%* | | *60-140* | | | | | *06/05/2023 04:18* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *74.5%* | | *60-140* | | | | | *06/05/2023 04:18* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0147 | U | mg/kg dry | 1 | 0.0147 | 0.183 | BGE2506 | 06/02/2023 10:35 | TBB |
| EPA 200.8 | Arsenic | N | 9.14 | A | mg/kg dry | 5 | 0.112 | 0.457 | BGE2506 | 06/02/2023 10:38 | TBB |
| EPA 200.8 | Beryllium | N | 0.0132 | J | mg/kg dry | 1 | 0.00183 | 0.0365 | BGE2506 | 06/08/2023 12:55 | TBB |
| EPA 200.8 | Cadmium | N | 0.416 | | mg/kg dry | 1 | 0.00577 | 0.183 | BGE2506 | 06/02/2023 10:35 | TBB |
| EPA 200.8 | Chromium | N | 0.285 | A, V, J | mg/kg dry | 5 | 0.0671 | 2.74 | BGE2506 | 06/02/2023 10:38 | TBB |
| EPA 200.8 | Copper | N | 10.7 | A, V | mg/kg dry | 5 | 0.0795 | 0.913 | BGE2506 | 06/02/2023 10:38 | TBB |
| SW-7471B | Mercury | A | <0.0444 | U | mg/kg dry | 1 | 0.0444 | 0.0887 | BGE3654 | 06/07/2023 13:41 | AKR |
| EPA 200.8 | Lead | N | 0.300 | V | mg/kg dry | 1 | 0.0138 | 0.0913 | BGE2506 | 06/02/2023 10:35 | TBB |
| EPA 200.8 | Nickel | N | 3.05 | A, V | mg/kg dry | 5 | 0.0162 | 0.913 | BGE2506 | 06/02/2023 10:38 | TBB |
| EPA 200.8 | Selenium | N | 1.42 | A | mg/kg dry | 1 | 0.201 | 0.365 | BGE2506 | 06/02/2023 10:35 | TBB |
| EPA 200.8 | Thallium | N | 0.00329 | J | mg/kg dry | 1 | 0.00126 | 0.0913 | BGE2506 | 06/02/2023 10:35 | TBB |
| EPA 200.8 | Zinc | N | 107 | V | mg/kg dry | 5 | 0.343 | 1.83 | BGE2506 | 06/08/2023 12:58 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.9 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-06-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-05RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.157 | | mg/kg dry | 1 | 0.00129 | 0.0906 | BGF0506 | 06/09/2023 13:39 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-1
Lab Sample ID: 23E2848-06
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 50.2 | V | ug/kg dry | 1 | 20.3 | 20.3 | BGE4170 | 06/05/2023 04:53 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 51.5 | V | ug/kg dry | 1 | 20.3 | 20.3 | BGE4170 | 06/05/2023 04:53 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <20.3 | U | ug/kg dry | 1 | 20.3 | 20.3 | BGE4170 | 06/05/2023 04:53 | KRB |
| SW-8270 | Phenol, Total | A | 626 | V | ug/kg dry | 1 | 40.7 | 40.7 | BGE4170 | 06/05/2023 04:53 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *16.3%* | *S* | *60-140* | | | | | *06/05/2023 04:53* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *42.5%* | *S* | *60-140* | | | | | *06/05/2023 04:53* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *72.1%* | | *60-140* | | | | | *06/05/2023 04:53* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *84.3%* | | *60-140* | | | | | *06/05/2023 04:53* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *78.2%* | | *60-140* | | | | | *06/05/2023 04:53* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *43.0%* | *S* | *60-140* | | | | | *06/05/2023 04:53* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0136 | U | mg/kg dry | 1 | 0.0136 | 0.169 | BGE2506 | 06/02/2023 10:40 | TBB |
| EPA 200.8 | Arsenic | N | 10.5 | A | mg/kg dry | 5 | 0.104 | 0.423 | BGE2506 | 06/02/2023 10:42 | TBB |
| EPA 200.8 | Beryllium | N | 0.0132 | J | mg/kg dry | 1 | 0.00169 | 0.0338 | BGE2506 | 06/08/2023 13:10 | TBB |
| EPA 200.8 | Cadmium | N | 0.443 | | mg/kg dry | 1 | 0.00535 | 0.169 | BGE2506 | 06/02/2023 10:40 | TBB |
| EPA 200.8 | Chromium | N | 0.246 | A, V, J | mg/kg dry | 5 | 0.0622 | 2.54 | BGE2506 | 06/02/2023 10:42 | TBB |
| EPA 200.8 | Copper | N | 11.3 | A, V | mg/kg dry | 5 | 0.0736 | 0.846 | BGE2506 | 06/02/2023 10:42 | TBB |
| SW-7471B | Mercury | A | <0.0408 | U | mg/kg dry | 1 | 0.0408 | 0.0816 | BGE3654 | 06/07/2023 13:45 | AKR |
| EPA 200.8 | Lead | N | 0.415 | V | mg/kg dry | 1 | 0.0128 | 0.0846 | BGE2506 | 06/02/2023 10:40 | TBB |
| EPA 200.8 | Nickel | N | 2.81 | A, V | mg/kg dry | 5 | 0.0150 | 0.846 | BGE2506 | 06/02/2023 10:42 | TBB |
| EPA 200.8 | Selenium | N | 1.58 | A | mg/kg dry | 1 | 0.186 | 0.338 | BGE2506 | 06/02/2023 10:40 | TBB |
| EPA 200.8 | Thallium | N | 0.00525 | J | mg/kg dry | 1 | 0.00117 | 0.0846 | BGE2506 | 06/02/2023 10:40 | TBB |
| EPA 200.8 | Zinc | N | 105 | V | mg/kg dry | 5 | 0.318 | 1.69 | BGE2506 | 06/08/2023 13:12 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 11.9 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-1
Lab Sample ID: 23E2848-06RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.125 | | mg/kg dry | 1 | 0.00118 | 0.0833 | BGF0506 | 06/09/2023 15:19 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-2
Lab Sample ID: 23E2848-07
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 96.9 | V | ug/kg dry | 1 | 23.6 | 23.6 | BGE4170 | 06/05/2023 05:28 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 59.8 | V | ug/kg dry | 1 | 23.6 | 23.6 | BGE4170 | 06/05/2023 05:28 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <23.6 | U | ug/kg dry | 1 | 23.6 | 23.6 | BGE4170 | 06/05/2023 05:28 | KRB |
| SW-8270 | Phenol, Total | A | 752 | V | ug/kg dry | 1 | 47.2 | 47.2 | BGE4170 | 06/05/2023 05:28 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *23.2%* | *S* | *60-140* | | | | | *06/05/2023 05:28* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *47.5%* | *S* | *60-140* | | | | | *06/05/2023 05:28* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *76.1%* | | *60-140* | | | | | *06/05/2023 05:28* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *94.0%* | | *60-140* | | | | | *06/05/2023 05:28* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *93.4%* | | *60-140* | | | | | *06/05/2023 05:28* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *50.4%* | *S* | *60-140* | | | | | *06/05/2023 05:28* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0156 | U | mg/kg dry | 1 | 0.0156 | 0.193 | BGE2506 | 06/02/2023 10:45 | TBB |
| EPA 200.8 | Arsenic | N | 11.6 | A | mg/kg dry | 5 | 0.119 | 0.484 | BGE2506 | 06/02/2023 10:55 | TBB |
| EPA 200.8 | Beryllium | N | 0.0161 | J | mg/kg dry | 1 | 0.00193 | 0.0387 | BGE2506 | 06/08/2023 13:15 | TBB |
| EPA 200.8 | Cadmium | N | 0.688 | | mg/kg dry | 1 | 0.00611 | 0.193 | BGE2506 | 06/02/2023 10:45 | TBB |
| EPA 200.8 | Chromium | N | 0.414 | A, V, J | mg/kg dry | 5 | 0.0711 | 2.90 | BGE2506 | 06/02/2023 10:55 | TBB |
| EPA 200.8 | Copper | N | 13.6 | A, V | mg/kg dry | 5 | 0.0842 | 0.967 | BGE2506 | 06/02/2023 10:55 | TBB |
| SW-7471B | Mercury | A | <0.0484 | U | mg/kg dry | 1 | 0.0484 | 0.0967 | BGE3654 | 06/07/2023 13:55 | AKR |
| EPA 200.8 | Lead | N | 0.472 | V | mg/kg dry | 1 | 0.0146 | 0.0967 | BGE2506 | 06/02/2023 10:45 | TBB |
| EPA 200.8 | Nickel | N | 3.80 | A, V | mg/kg dry | 5 | 0.0171 | 0.967 | BGE2506 | 06/02/2023 10:55 | TBB |
| EPA 200.8 | Selenium | N | 1.90 | A | mg/kg dry | 1 | 0.213 | 0.387 | BGE2506 | 06/02/2023 10:45 | TBB |
| EPA 200.8 | Thallium | N | 0.00484 | J | mg/kg dry | 1 | 0.00133 | 0.0967 | BGE2506 | 06/02/2023 10:45 | TBB |
| EPA 200.8 | Zinc | N | 134 | V | mg/kg dry | 5 | 0.363 | 1.93 | BGE2506 | 06/08/2023 13:17 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.3 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-07-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-07RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.178 | | mg/kg dry | 1 | 0.00133 | 0.0937 | BGF0506 | 06/09/2023 15:21 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-3
Lab Sample ID: 23E2848-08
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 80.5 | V | ug/kg dry | 1 | 20.0 | 20.0 | BGE4170 | 06/05/2023 06:02 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 57.0 | V | ug/kg dry | 1 | 20.0 | 20.0 | BGE4170 | 06/05/2023 06:02 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <20.0 | U | ug/kg dry | 1 | 20.0 | 20.0 | BGE4170 | 06/05/2023 06:02 | KRB |
| SW-8270 | Phenol, Total | A | 621 | V | ug/kg dry | 1 | 39.9 | 39.9 | BGE4170 | 06/05/2023 06:02 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *20.0% S* | | *60-140* | | | | | *06/05/2023 06:02* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *43.3% S* | | *60-140* | | | | | *06/05/2023 06:02* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *75.7%* | | *60-140* | | | | | *06/05/2023 06:02* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *76.9%* | | *60-140* | | | | | *06/05/2023 06:02* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *84.9%* | | *60-140* | | | | | *06/05/2023 06:02* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *49.4% S* | | *60-140* | | | | | *06/05/2023 06:02* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0147 | U | mg/kg dry | 1 | 0.0147 | 0.183 | BGE2506 | 06/02/2023 15:42 | TBB |
| EPA 200.8 | Arsenic | N | 11.3 | | mg/kg dry | 1 | 0.0225 | 0.0915 | BGE2506 | 06/02/2023 10:57 | TBB |
| EPA 200.8 | Beryllium | N | 0.0141 | J | mg/kg dry | 1 | 0.00183 | 0.0366 | BGE2506 | 06/08/2023 13:22 | TBB |
| EPA 200.8 | Cadmium | N | 0.524 | | mg/kg dry | 1 | 0.00578 | 0.183 | BGE2506 | 06/02/2023 10:57 | TBB |
| EPA 200.8 | Chromium | N | 0.218 | V, J | mg/kg dry | 1 | 0.0134 | 0.549 | BGE2506 | 06/02/2023 10:57 | TBB |
| EPA 200.8 | Copper | N | 10.8 | V | mg/kg dry | 1 | 0.0159 | 0.183 | BGE2506 | 06/02/2023 10:57 | TBB |
| SW-7471B | Mercury | A | <0.0429 | U | mg/kg dry | 1 | 0.0429 | 0.0858 | BGE3654 | 06/07/2023 13:58 | AKR |
| EPA 200.8 | Lead | N | 0.374 | V | mg/kg dry | 1 | 0.0138 | 0.0915 | BGE2506 | 06/02/2023 15:42 | TBB |
| EPA 200.8 | Nickel | N | 3.29 | V | mg/kg dry | 1 | 0.00324 | 0.183 | BGE2506 | 06/02/2023 10:57 | TBB |
| EPA 200.8 | Selenium | N | 1.74 | | mg/kg dry | 1 | 0.201 | 0.366 | BGE2506 | 06/08/2023 13:22 | TBB |
| EPA 200.8 | Thallium | N | 0.00403 | J | mg/kg dry | 1 | 0.00126 | 0.0915 | BGE2506 | 06/02/2023 10:57 | TBB |
| EPA 200.8 | Zinc | N | 112 | V | mg/kg dry | 5 | 0.344 | 1.83 | BGE2506 | 06/08/2023 13:25 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.9 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
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## Sample Results

**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-07-3 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-08RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.132 | | mg/kg dry | 1 | 0.00129 | 0.0908 | BGF0506 | 06/09/2023 15:24 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-4
Lab Sample ID: 23E2848-09
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 80.8 | V | ug/kg dry | 1 | 21.5 | 21.5 | BGE4170 | 06/05/2023 06:37 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 51.9 | V | ug/kg dry | 1 | 21.5 | 21.5 | BGE4170 | 06/05/2023 06:37 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <21.5 | U | ug/kg dry | 1 | 21.5 | 21.5 | BGE4170 | 06/05/2023 06:37 | KRB |
| SW-8270 | Phenol, Total | A | 829 | V | ug/kg dry | 1 | 42.9 | 42.9 | BGE4170 | 06/05/2023 06:37 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *12.1%* | *S* | *60-140* | | | | | *06/05/2023 06:37* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *46.1%* | *S* | *60-140* | | | | | *06/05/2023 06:37* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *70.3%* | | *60-140* | | | | | *06/05/2023 06:37* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *76.8%* | | *60-140* | | | | | *06/05/2023 06:37* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *76.3%* | | *60-140* | | | | | *06/05/2023 06:37* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *45.2%* | *S* | *60-140* | | | | | *06/05/2023 06:37* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0150 | U | mg/kg dry | 1 | 0.0150 | 0.186 | BGE2506 | 06/02/2023 15:47 | TBB |
| EPA 200.8 | Arsenic | N | 9.07 | A | mg/kg dry | 5 | 0.114 | 0.465 | BGE2506 | 06/02/2023 11:05 | TBB |
| EPA 200.8 | Beryllium | N | 0.0128 | J | mg/kg dry | 1 | 0.00186 | 0.0372 | BGE2506 | 06/08/2023 13:27 | TBB |
| EPA 200.8 | Cadmium | N | 0.526 | | mg/kg dry | 1 | 0.00588 | 0.186 | BGE2506 | 06/02/2023 11:02 | TBB |
| EPA 200.8 | Chromium | N | 0.241 | A, V, J | mg/kg dry | 5 | 0.0683 | 2.79 | BGE2506 | 06/02/2023 11:05 | TBB |
| EPA 200.8 | Copper | N | 11.7 | A, V | mg/kg dry | 5 | 0.0809 | 0.930 | BGE2506 | 06/02/2023 11:05 | TBB |
| SW-7471B | Mercury | A | <0.0452 | U | mg/kg dry | 1 | 0.0452 | 0.0903 | BGE3654 | 06/07/2023 14:01 | AKR |
| EPA 200.8 | Lead | N | 0.444 | V | mg/kg dry | 1 | 0.0140 | 0.0930 | BGE2506 | 06/02/2023 15:47 | TBB |
| EPA 200.8 | Nickel | N | 3.14 | A, V | mg/kg dry | 5 | 0.0165 | 0.930 | BGE2506 | 06/02/2023 11:05 | TBB |
| EPA 200.8 | Selenium | N | 1.64 | | mg/kg dry | 1 | 0.205 | 0.372 | BGE2506 | 06/08/2023 13:27 | TBB |
| EPA 200.8 | Thallium | N | 0.00409 | J | mg/kg dry | 1 | 0.00128 | 0.0930 | BGE2506 | 06/02/2023 11:02 | TBB |
| EPA 200.8 | Zinc | N | 119 | V | mg/kg dry | 5 | 0.349 | 1.86 | BGE2506 | 06/08/2023 13:30 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.7 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-07-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-09RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.141 | | mg/kg dry | 1 | 0.00130 | 0.0919 | BGF0506 | 06/09/2023 15:26 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-07-5
Lab Sample ID: 23E2848-10
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 85.0 | V | ug/kg dry | 1 | 24.4 | 24.4 | BGE4170 | 06/05/2023 07:11 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 55.3 | V | ug/kg dry | 1 | 24.4 | 24.4 | BGE4170 | 06/05/2023 07:11 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <24.4 | U | ug/kg dry | 1 | 24.4 | 24.4 | BGE4170 | 06/05/2023 07:11 | KRB |
| SW-8270 | Phenol, Total | A | 825 | V | ug/kg dry | 1 | 48.8 | 48.8 | BGE4170 | 06/05/2023 07:11 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *12.0%* | *S* | *60-140* | | | | | *06/05/2023 07:11* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *40.5%* | *S* | *60-140* | | | | | *06/05/2023 07:11* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *73.8%* | | *60-140* | | | | | *06/05/2023 07:11* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *82.1%* | | *60-140* | | | | | *06/05/2023 07:11* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *73.5%* | | *60-140* | | | | | *06/05/2023 07:11* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *31.3%* | *S* | *60-140* | | | | | *06/05/2023 07:11* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0163 | U | mg/kg dry | 1 | 0.0163 | 0.202 | BGE2506 | 06/02/2023 15:52 | TBB |
| EPA 200.8 | Arsenic | N | 12.1 | | mg/kg dry | 1 | 0.0249 | 0.101 | BGE2506 | 06/15/2023 12:33 | TBB |
| EPA 200.8 | Beryllium | N | 0.0115 | J | mg/kg dry | 1 | 0.00202 | 0.0405 | BGE2506 | 06/08/2023 13:42 | TBB |
| EPA 200.8 | Cadmium | N | 0.561 | | mg/kg dry | 1 | 0.00640 | 0.202 | BGE2506 | 06/02/2023 11:07 | TBB |
| EPA 200.8 | Chromium | N | 0.369 | V, J | mg/kg dry | 1 | 0.0149 | 0.607 | BGE2506 | 06/02/2023 15:52 | TBB |
| EPA 200.8 | Copper | N | 13.4 | V | mg/kg dry | 1 | 0.0176 | 0.202 | BGE2506 | 06/02/2023 15:52 | TBB |
| SW-7471B | Mercury | A | <0.0510 | U | mg/kg dry | 1 | 0.0510 | 0.102 | BGE3654 | 06/07/2023 14:05 | AKR |
| EPA 200.8 | Lead | N | 0.441 | V | mg/kg dry | 1 | 0.0153 | 0.101 | BGE2506 | 06/02/2023 15:52 | TBB |
| EPA 200.8 | Nickel | N | 3.43 | V | mg/kg dry | 1 | 0.00358 | 0.202 | BGE2506 | 06/02/2023 15:52 | TBB |
| EPA 200.8 | Selenium | N | 1.71 | | mg/kg dry | 1 | 0.223 | 0.405 | BGE2506 | 06/08/2023 13:42 | TBB |
| EPA 200.8 | Thallium | N | 0.00364 | J | mg/kg dry | 1 | 0.00140 | 0.101 | BGE2506 | 06/02/2023 11:07 | TBB |
| EPA 200.8 | Zinc | N | 116 | V | mg/kg dry | 5 | 0.380 | 2.02 | BGE2506 | 06/08/2023 13:44 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 9.80 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | MM-CDP-07-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-10RE1 | Date Collected: | 04/01/2023 11:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.136 | | mg/kg dry | 1 | 0.00143 | 0.100 | BGF0506 | 06/09/2023 15:29 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-1
Lab Sample ID: 23E2848-11
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 58.1 | V | ug/kg dry | 1 | 20.7 | 20.7 | BGE4145 | 06/01/2023 07:56 | KRB |
| SW-8270 | Phenol, Total | A | 533 | V | ug/kg dry | 1 | 41.3 | 41.3 | BGE4145 | 06/01/2023 07:56 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *25.7%* | *S* | *60-140* | | | | | *06/01/2023 07:56* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *63.8%* | | *60-140* | | | | | *06/01/2023 07:56* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *74.8%* | | *60-140* | | | | | *06/01/2023 07:56* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *87.0%* | | *60-140* | | | | | *06/01/2023 07:56* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *53.7%* | *S* | *60-140* | | | | | *06/01/2023 07:56* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *47.6%* | *S* | *60-140* | | | | | *06/01/2023 07:56* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0144 | U | mg/kg dry | 1 | 0.0144 | 0.179 | BGE2506 | 06/02/2023 15:57 | TBB |
| EPA 200.8 | Arsenic | N | 11.1 | | mg/kg dry | 1 | 0.0220 | 0.0893 | BGE2506 | 06/15/2023 12:38 | TBB |
| EPA 200.8 | Beryllium | N | 0.0107 | J | mg/kg dry | 1 | 0.00179 | 0.0357 | BGE2506 | 06/08/2023 13:49 | TBB |
| EPA 200.8 | Cadmium | N | 0.402 | | mg/kg dry | 1 | 0.00564 | 0.179 | BGE2506 | 06/02/2023 11:12 | TBB |
| EPA 200.8 | Chromium | N | 0.371 | V, J | mg/kg dry | 1 | 0.0131 | 0.536 | BGE2506 | 06/02/2023 15:57 | TBB |
| EPA 200.8 | Copper | N | 12.7 | V | mg/kg dry | 1 | 0.0155 | 0.179 | BGE2506 | 06/02/2023 15:57 | TBB |
| SW-7471B | Mercury | A | <0.0419 | U | mg/kg dry | 1 | 0.0419 | 0.0837 | BGE3654 | 06/07/2023 14:08 | AKR |
| EPA 200.8 | Lead | N | 0.414 | V | mg/kg dry | 1 | 0.0135 | 0.0893 | BGE2506 | 06/02/2023 15:57 | TBB |
| EPA 200.8 | Nickel | N | 3.05 | V | mg/kg dry | 1 | 0.00316 | 0.179 | BGE2506 | 06/02/2023 15:57 | TBB |
| EPA 200.8 | Selenium | N | 1.62 | | mg/kg dry | 1 | 0.196 | 0.357 | BGE2506 | 06/08/2023 13:49 | TBB |
| EPA 200.8 | Thallium | N | 0.00304 | J | mg/kg dry | 1 | 0.00123 | 0.0893 | BGE2506 | 06/02/2023 11:12 | TBB |
| EPA 200.8 | Zinc | N | 103 | V | mg/kg dry | 5 | 0.335 | 1.79 | BGE2506 | 06/08/2023 13:52 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 11.2 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-1
Lab Sample ID: 23E2848-11RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 54.8 | V | ug/kg dry | 1 | 20.7 | 20.7 | BGE4145 | 06/05/2023 18:43 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <20.7 | U | ug/kg dry | 1 | 20.7 | 20.7 | BGE4145 | 06/05/2023 18:43 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *29.8%* | *S* | *60-140* | | | | | *06/05/2023 18:43* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *68.9%* | | *60-140* | | | | | *06/05/2023 18:43* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *85.3%* | | *60-140* | | | | | *06/05/2023 18:43* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *100%* | | *60-140* | | | | | *06/05/2023 18:43* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *90.0%* | | *60-140* | | | | | *06/05/2023 18:43* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *77.7%* | | *60-140* | | | | | *06/05/2023 18:43* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.139 | | mg/kg dry | 1 | 0.00123 | 0.0869 | BGF0506 | 06/09/2023 15:31 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-2
Lab Sample ID: 23E2848-12
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 60.2 | V | ug/kg dry | 1 | 21.4 | 21.4 | BGE4145 | 06/01/2023 08:30 | KRB |
| SW-8270 | Phenol, Total | A | 533 | V | ug/kg dry | 1 | 42.7 | 42.7 | BGE4145 | 06/01/2023 08:30 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *22.2%* | *S* | *60-140* | | | | | *06/01/2023 08:30* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *56.3%* | *S* | *60-140* | | | | | *06/01/2023 08:30* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *74.0%* | | *60-140* | | | | | *06/01/2023 08:30* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *83.0%* | | *60-140* | | | | | *06/01/2023 08:30* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *53.9%* | *S* | *60-140* | | | | | *06/01/2023 08:30* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *43.1%* | *S* | *60-140* | | | | | *06/01/2023 08:30* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0150 | U | mg/kg dry | 1 | 0.0150 | 0.187 | BGE2506 | 06/02/2023 16:19 | TBB |
| EPA 200.8 | Arsenic | N | 11.3 | | mg/kg dry | 1 | 0.0230 | 0.0933 | BGE2506 | 06/02/2023 11:34 | TBB |
| EPA 200.8 | Beryllium | N | 0.0136 | J | mg/kg dry | 1 | 0.00187 | 0.0373 | BGE2506 | 06/08/2023 14:19 | TBB |
| EPA 200.8 | Cadmium | N | 0.473 | | mg/kg dry | 1 | 0.00590 | 0.187 | BGE2506 | 06/02/2023 11:34 | TBB |
| EPA 200.8 | Chromium | N | 0.288 | V, J | mg/kg dry | 1 | 0.0137 | 0.560 | BGE2506 | 06/02/2023 11:34 | TBB |
| EPA 200.8 | Copper | N | 11.6 | V | mg/kg dry | 1 | 0.0162 | 0.187 | BGE2506 | 06/02/2023 11:34 | TBB |
| SW-7471B | Mercury | A | <0.0436 | U | mg/kg dry | 1 | 0.0436 | 0.0872 | BGE3654 | 06/07/2023 13:18 | AKR |
| EPA 200.8 | Lead | N | 0.361 | V | mg/kg dry | 1 | 0.0141 | 0.0933 | BGE2506 | 06/02/2023 16:19 | TBB |
| EPA 200.8 | Nickel | N | 3.58 | V | mg/kg dry | 1 | 0.00330 | 0.187 | BGE2506 | 06/02/2023 11:34 | TBB |
| EPA 200.8 | Selenium | N | 1.83 | | mg/kg dry | 1 | 0.205 | 0.373 | BGE2506 | 06/08/2023 14:19 | TBB |
| EPA 200.8 | Thallium | N | 0.00317 | J | mg/kg dry | 1 | 0.00129 | 0.0933 | BGE2506 | 06/02/2023 11:34 | TBB |
| EPA 200.8 | Zinc | N | 116 | V | mg/kg dry | 5 | 0.351 | 1.87 | BGE2506 | 06/08/2023 14:21 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.8 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-2
Lab Sample ID: 23E2848-12RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 72.9 | V | ug/kg dry | 1 | 21.4 | 21.4 | BGE4145 | 06/05/2023 19:17 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <21.4 | U | ug/kg dry | 1 | 21.4 | 21.4 | BGE4145 | 06/05/2023 19:17 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *27.3%* | *S* | *60-140* | | | | | *06/05/2023 19:17* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *62.2%* | | *60-140* | | | | | *06/05/2023 19:17* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *82.8%* | | *60-140* | | | | | *06/05/2023 19:17* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *102%* | | *60-140* | | | | | *06/05/2023 19:17* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *91.5%* | | *60-140* | | | | | *06/05/2023 19:17* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *69.5%* | | *60-140* | | | | | *06/05/2023 19:17* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.139 | | mg/kg dry | 1 | 0.00129 | 0.0911 | BGF0506 | 06/09/2023 15:38 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-3
Lab Sample ID: 23E2848-13
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 43.8 | V | ug/kg dry | 1 | 22.5 | 22.5 | BGE4145 | 06/01/2023 09:05 | KRB |
| SW-8270 | Phenol, Total | A | 666 | V | ug/kg dry | 1 | 44.9 | 44.9 | BGE4145 | 06/01/2023 09:05 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *13.2%* | *S* | *60-140* | | | | | *06/01/2023 09:05* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *52.8%* | *S* | *60-140* | | | | | *06/01/2023 09:05* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *70.2%* | | *60-140* | | | | | *06/01/2023 09:05* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *84.9%* | | *60-140* | | | | | *06/01/2023 09:05* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *57.9%* | *S* | *60-140* | | | | | *06/01/2023 09:05* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *37.9%* | *S* | *60-140* | | | | | *06/01/2023 09:05* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0151 | U | mg/kg dry | 1 | 0.0151 | 0.188 | BGE2506 | 06/02/2023 16:24 | TBB |
| EPA 200.8 | Arsenic | N | 12.2 | | mg/kg dry | 1 | 0.0231 | 0.0938 | BGE2506 | 06/02/2023 11:39 | TBB |
| EPA 200.8 | Beryllium | N | 0.0137 | J | mg/kg dry | 1 | 0.00188 | 0.0375 | BGE2506 | 06/08/2023 14:26 | TBB |
| EPA 200.8 | Cadmium | N | 0.432 | | mg/kg dry | 1 | 0.00593 | 0.188 | BGE2506 | 06/02/2023 11:39 | TBB |
| EPA 200.8 | Chromium | N | 0.235 | V, J | mg/kg dry | 1 | 0.0138 | 0.563 | BGE2506 | 06/02/2023 11:39 | TBB |
| EPA 200.8 | Copper | N | 9.34 | V | mg/kg dry | 1 | 0.0163 | 0.188 | BGE2506 | 06/02/2023 11:39 | TBB |
| SW-7471B | Mercury | A | <0.0452 | U | mg/kg dry | 1 | 0.0452 | 0.0904 | BGE3654 | 06/07/2023 14:11 | AKR |
| EPA 200.8 | Lead | N | 0.301 | V | mg/kg dry | 1 | 0.0142 | 0.0938 | BGE2506 | 06/02/2023 16:24 | TBB |
| EPA 200.8 | Nickel | N | 3.25 | V | mg/kg dry | 1 | 0.00332 | 0.188 | BGE2506 | 06/02/2023 11:39 | TBB |
| EPA 200.8 | Selenium | N | 1.59 | | mg/kg dry | 1 | 0.206 | 0.375 | BGE2506 | 06/08/2023 14:26 | TBB |
| EPA 200.8 | Thallium | N | 0.00225 | J | mg/kg dry | 1 | 0.00129 | 0.0938 | BGE2506 | 06/02/2023 11:39 | TBB |
| EPA 200.8 | Zinc | N | 107 | V | mg/kg dry | 5 | 0.352 | 1.88 | BGE2506 | 06/08/2023 14:29 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.5 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-3
Lab Sample ID: 23E2848-13RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 56.7 | V | ug/kg dry | 1 | 22.5 | 22.5 | BGE4145 | 06/05/2023 19:52 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <22.5 | U | ug/kg dry | 1 | 22.5 | 22.5 | BGE4145 | 06/05/2023 19:52 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *14.4%* | *S* | *60-140* | | | | | *06/05/2023 19:52* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *53.6%* | *S* | *60-140* | | | | | *06/05/2023 19:52* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *77.9%* | | *60-140* | | | | | *06/05/2023 19:52* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *105%* | | *60-140* | | | | | *06/05/2023 19:52* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *92.0%* | | *60-140* | | | | | *06/05/2023 19:52* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *59.9%* | *S* | *60-140* | | | | | *06/05/2023 19:52* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.175 | | mg/kg dry | 1 | 0.00132 | 0.0927 | BGF0506 | 06/09/2023 15:41 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-4
Lab Sample ID: 23E2848-14
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 50.3 | V | ug/kg dry | 1 | 22.9 | 22.9 | BGE4145 | 06/01/2023 09:39 | KRB |
| SW-8270 | Phenol, Total | A | 587 | V | ug/kg dry | 1 | 45.9 | 45.9 | BGE4145 | 06/01/2023 09:39 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *15.5%* | *S* | *60-140* | | | | | *06/01/2023 09:39* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *57.1%* | *S* | *60-140* | | | | | *06/01/2023 09:39* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *69.4%* | | *60-140* | | | | | *06/01/2023 09:39* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *91.4%* | | *60-140* | | | | | *06/01/2023 09:39* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *52.3%* | *S* | *60-140* | | | | | *06/01/2023 09:39* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *47.9%* | *S* | *60-140* | | | | | *06/01/2023 09:39* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0155 | U | mg/kg dry | 1 | 0.0155 | 0.192 | BGE2506 | 06/02/2023 16:29 | TBB |
| EPA 200.8 | Arsenic | N | 10.3 | A | mg/kg dry | 5 | 0.118 | 0.481 | BGE2506 | 06/02/2023 11:46 | TBB |
| EPA 200.8 | Beryllium | N | 0.0142 | J | mg/kg dry | 1 | 0.00192 | 0.0385 | BGE2506 | 06/08/2023 14:31 | TBB |
| EPA 200.8 | Cadmium | N | 0.435 | | mg/kg dry | 1 | 0.00608 | 0.192 | BGE2506 | 06/02/2023 11:44 | TBB |
| EPA 200.8 | Chromium | N | 0.339 | A, V, J | mg/kg dry | 5 | 0.0707 | 2.89 | BGE2506 | 06/02/2023 11:46 | TBB |
| EPA 200.8 | Copper | N | 10.9 | A, V | mg/kg dry | 5 | 0.0837 | 0.962 | BGE2506 | 06/02/2023 11:46 | TBB |
| SW-7471B | Mercury | A | <0.0447 | U | mg/kg dry | 1 | 0.0447 | 0.0895 | BGE3654 | 06/07/2023 14:21 | AKR |
| EPA 200.8 | Lead | N | 0.346 | V | mg/kg dry | 1 | 0.0145 | 0.0962 | BGE2506 | 06/02/2023 16:29 | TBB |
| EPA 200.8 | Nickel | N | 3.72 | A, V | mg/kg dry | 5 | 0.0170 | 0.962 | BGE2506 | 06/02/2023 11:46 | TBB |
| EPA 200.8 | Selenium | N | 1.69 | | mg/kg dry | 1 | 0.212 | 0.385 | BGE2506 | 06/08/2023 14:31 | TBB |
| EPA 200.8 | Thallium | N | 0.00289 | J | mg/kg dry | 1 | 0.00133 | 0.0962 | BGE2506 | 06/02/2023 11:44 | TBB |
| EPA 200.8 | Zinc | N | 113 | V | mg/kg dry | 5 | 0.361 | 1.92 | BGE2506 | 06/08/2023 14:34 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.4 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-4
Lab Sample ID: 23E2848-14RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 81.5 | V | ug/kg dry | 1 | 22.9 | 22.9 | BGE4145 | 06/05/2023 20:26 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <22.9 | U | ug/kg dry | 1 | 22.9 | 22.9 | BGE4145 | 06/05/2023 20:26 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *16.4%* | *S* | *60-140* | | | | | *06/05/2023 20:26* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *61.4%* | | *60-140* | | | | | *06/05/2023 20:26* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *87.3%* | | *60-140* | | | | | *06/05/2023 20:26* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *106%* | | *60-140* | | | | | *06/05/2023 20:26* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *92.9%* | | *60-140* | | | | | *06/05/2023 20:26* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *70.2%* | | *60-140* | | | | | *06/05/2023 20:26* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.128 | | mg/kg dry | 1 | 0.00137 | 0.0962 | BGF0506 | 06/09/2023 15:51 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-5
Lab Sample ID: 23E2848-15
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 47.0 | V | ug/kg dry | 1 | 22.3 | 22.3 | BGE4145 | 06/01/2023 10:14 | KRB |
| SW-8270 | Phenol, Total | A | 660 | V | ug/kg dry | 1 | 44.6 | 44.6 | BGE4145 | 06/01/2023 10:14 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *17.4%* | *S* | *60-140* | | | | | *06/01/2023 10:14* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *50.2%* | *S* | *60-140* | | | | | *06/01/2023 10:14* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *66.8%* | | *60-140* | | | | | *06/01/2023 10:14* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *88.1%* | | *60-140* | | | | | *06/01/2023 10:14* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *57.0%* | *S* | *60-140* | | | | | *06/01/2023 10:14* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *40.2%* | *S* | *60-140* | | | | | *06/01/2023 10:14* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0151 | U | mg/kg dry | 1 | 0.0151 | 0.188 | BGE2506 | 06/02/2023 16:34 | TBB |
| EPA 200.8 | Arsenic | N | 11.3 | | mg/kg dry | 1 | 0.0231 | 0.0938 | BGE2506 | 06/02/2023 11:49 | TBB |
| EPA 200.8 | Beryllium | N | 0.0109 | J | mg/kg dry | 1 | 0.00188 | 0.0375 | BGE2506 | 06/08/2023 14:36 | TBB |
| EPA 200.8 | Cadmium | N | 0.427 | | mg/kg dry | 1 | 0.00593 | 0.188 | BGE2506 | 06/02/2023 11:49 | TBB |
| EPA 200.8 | Chromium | N | 0.250 | V, J | mg/kg dry | 1 | 0.0138 | 0.563 | BGE2506 | 06/02/2023 11:49 | TBB |
| EPA 200.8 | Copper | N | 11.1 | V | mg/kg dry | 1 | 0.0163 | 0.188 | BGE2506 | 06/02/2023 11:49 | TBB |
| SW-7471B | Mercury | A | <0.0458 | U | mg/kg dry | 1 | 0.0458 | 0.0915 | BGE3654 | 06/07/2023 14:25 | AKR |
| EPA 200.8 | Lead | N | 0.365 | V | mg/kg dry | 1 | 0.0142 | 0.0938 | BGE2506 | 06/02/2023 16:34 | TBB |
| EPA 200.8 | Nickel | N | 3.14 | V | mg/kg dry | 1 | 0.00332 | 0.188 | BGE2506 | 06/02/2023 11:49 | TBB |
| EPA 200.8 | Selenium | N | 1.52 | | mg/kg dry | 1 | 0.206 | 0.375 | BGE2506 | 06/08/2023 14:36 | TBB |
| EPA 200.8 | Thallium | N | 0.00281 | J | mg/kg dry | 1 | 0.00129 | 0.0938 | BGE2506 | 06/02/2023 11:49 | TBB |
| EPA 200.8 | Zinc | N | 109 | V | mg/kg dry | 5 | 0.352 | 1.88 | BGE2506 | 06/08/2023 14:46 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.7 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-REF-5
Lab Sample ID: 23E2848-15RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 94.1 | V | ug/kg dry | 1 | 22.3 | 22.3 | BGE4145 | 06/05/2023 21:01 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <22.3 | U | ug/kg dry | 1 | 22.3 | 22.3 | BGE4145 | 06/05/2023 21:01 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *18.3%* | *S* | *60-140* | | | | | *06/05/2023 21:01* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *50.8%* | *S* | *60-140* | | | | | *06/05/2023 21:01* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *79.8%* | | *60-140* | | | | | *06/05/2023 21:01* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *98.5%* | | *60-140* | | | | | *06/05/2023 21:01* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *94.4%* | | *60-140* | | | | | *06/05/2023 21:01* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *65.0%* | | *60-140* | | | | | *06/05/2023 21:01* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.164 | | mg/kg dry | 1 | 0.00131 | 0.0920 | BGF0506 | 06/09/2023 15:53 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-1
Lab Sample ID: 23E2848-16
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 44.5 | V | ug/kg dry | 1 | 22.5 | 22.5 | BGE4145 | 06/01/2023 10:48 | KRB |
| SW-8270 | Phenol, Total | A | 646 | V | ug/kg dry | 1 | 45.1 | 45.1 | BGE4145 | 06/01/2023 10:48 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *12.4%* | *S* | *60-140* | | | | | *06/01/2023 10:48* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *55.4%* | *S* | *60-140* | | | | | *06/01/2023 10:48* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *64.7%* | | *60-140* | | | | | *06/01/2023 10:48* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *84.0%* | | *60-140* | | | | | *06/01/2023 10:48* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *50.5%* | *S* | *60-140* | | | | | *06/01/2023 10:48* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *49.1%* | *S* | *60-140* | | | | | *06/01/2023 10:48* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0150 | U | mg/kg dry | 1 | 0.0150 | 0.186 | BGE2506 | 06/02/2023 16:46 | TBB |
| EPA 200.8 | Arsenic | N | 9.67 | | mg/kg dry | 1 | 0.0229 | 0.0932 | BGE2506 | 06/02/2023 12:01 | TBB |
| EPA 200.8 | Beryllium | N | 0.0116 | J | mg/kg dry | 1 | 0.00186 | 0.0373 | BGE2506 | 06/08/2023 14:48 | TBB |
| EPA 200.8 | Cadmium | N | 0.390 | | mg/kg dry | 1 | 0.00589 | 0.186 | BGE2506 | 06/02/2023 12:01 | TBB |
| EPA 200.8 | Chromium | N | 0.394 | V, J | mg/kg dry | 1 | 0.0137 | 0.559 | BGE2506 | 06/02/2023 12:01 | TBB |
| EPA 200.8 | Copper | N | 9.57 | V | mg/kg dry | 1 | 0.0162 | 0.186 | BGE2506 | 06/02/2023 12:01 | TBB |
| SW-7471B | Mercury | A | <0.0442 | U | mg/kg dry | 1 | 0.0442 | 0.0884 | BGE3654 | 06/07/2023 14:35 | AKR |
| EPA 200.8 | Lead | N | 0.299 | V | mg/kg dry | 1 | 0.0141 | 0.0932 | BGE2506 | 06/02/2023 16:46 | TBB |
| EPA 200.8 | Nickel | N | 3.57 | V | mg/kg dry | 1 | 0.00330 | 0.186 | BGE2506 | 06/02/2023 12:01 | TBB |
| EPA 200.8 | Selenium | N | 1.71 | | mg/kg dry | 1 | 0.205 | 0.373 | BGE2506 | 06/08/2023 14:48 | TBB |
| EPA 200.8 | Thallium | N | 0.00205 | J | mg/kg dry | 1 | 0.00129 | 0.0932 | BGE2506 | 06/02/2023 12:01 | TBB |
| EPA 200.8 | Zinc | N | 122 | V | mg/kg dry | 5 | 0.350 | 1.86 | BGE2506 | 06/08/2023 14:51 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.8 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-1
Lab Sample ID: 23E2848-16RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 66.4 | V | ug/kg dry | 1 | 22.5 | 22.5 | BGE4145 | 06/05/2023 21:36 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <22.5 | U | ug/kg dry | 1 | 22.5 | 22.5 | BGE4145 | 06/05/2023 21:36 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *13.2%* | *S* | *60-140* | | | | | *06/05/2023 21:36* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *59.6%* | *S* | *60-140* | | | | | *06/05/2023 21:36* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *75.3%* | | *60-140* | | | | | *06/05/2023 21:36* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *99.9%* | | *60-140* | | | | | *06/05/2023 21:36* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *87.3%* | | *60-140* | | | | | *06/05/2023 21:36* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *73.7%* | | *60-140* | | | | | *06/05/2023 21:36* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.147 | | mg/kg dry | 1 | 0.00132 | 0.0929 | BGF0506 | 06/09/2023 15:55 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-2
Lab Sample ID: 23E2848-17
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 37.5 | V | ug/kg dry | 1 | 20.0 | 20.0 | BGE4145 | 06/01/2023 11:23 | KRB |
| SW-8270 | Phenol, Total | A | 620 | V | ug/kg dry | 1 | 40.0 | 40.0 | BGE4145 | 06/01/2023 11:23 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *14.2%* | *S* | *60-140* | | | | | *06/01/2023 11:23* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *54.8%* | *S* | *60-140* | | | | | *06/01/2023 11:23* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *61.1%* | | *60-140* | | | | | *06/01/2023 11:23* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *85.5%* | | *60-140* | | | | | *06/01/2023 11:23* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *50.4%* | *S* | *60-140* | | | | | *06/01/2023 11:23* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *43.6%* | *S* | *60-140* | | | | | *06/01/2023 11:23* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0128 | U | mg/kg dry | 1 | 0.0128 | 0.160 | BGE2506 | 06/02/2023 16:51 | TBB |
| EPA 200.8 | Arsenic | N | 9.77 | | mg/kg dry | 1 | 0.0196 | 0.0798 | BGE2506 | 06/02/2023 12:06 | TBB |
| EPA 200.8 | Beryllium | N | 0.0145 | J | mg/kg dry | 1 | 0.00160 | 0.0319 | BGE2506 | 06/08/2023 14:53 | TBB |
| EPA 200.8 | Cadmium | N | 0.345 | | mg/kg dry | 1 | 0.00504 | 0.160 | BGE2506 | 06/02/2023 12:06 | TBB |
| EPA 200.8 | Chromium | N | 0.549 | V | mg/kg dry | 1 | 0.0117 | 0.479 | BGE2506 | 06/02/2023 12:06 | TBB |
| EPA 200.8 | Copper | N | 11.3 | V | mg/kg dry | 1 | 0.0139 | 0.160 | BGE2506 | 06/02/2023 12:06 | TBB |
| SW-7471B | Mercury | A | <0.0377 | U | mg/kg dry | 1 | 0.0377 | 0.0754 | BGE3654 | 06/07/2023 14:38 | AKR |
| EPA 200.8 | Lead | N | 0.391 | V | mg/kg dry | 1 | 0.0120 | 0.0798 | BGE2506 | 06/02/2023 16:51 | TBB |
| EPA 200.8 | Nickel | N | 3.11 | V | mg/kg dry | 1 | 0.00282 | 0.160 | BGE2506 | 06/02/2023 12:06 | TBB |
| EPA 200.8 | Selenium | N | 1.62 | | mg/kg dry | 1 | 0.176 | 0.319 | BGE2506 | 06/08/2023 14:53 | TBB |
| EPA 200.8 | Thallium | N | 0.00271 | J | mg/kg dry | 1 | 0.00110 | 0.0798 | BGE2506 | 06/02/2023 12:06 | TBB |
| EPA 200.8 | Zinc | N | 106 | V | mg/kg dry | 5 | 0.300 | 1.60 | BGE2506 | 06/08/2023 14:56 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.4 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-2
Lab Sample ID: 23E2848-17RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 96.6 | V | ug/kg dry | 1 | 20.0 | 20.0 | BGE4145 | 06/05/2023 22:45 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <20.0 | U | ug/kg dry | 1 | 20.0 | 20.0 | BGE4145 | 06/05/2023 22:45 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *15.7%* | *S* | *60-140* | | | | | *06/05/2023 22:45* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *62.6%* | | *60-140* | | | | | *06/05/2023 22:45* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *68.5%* | | *60-140* | | | | | *06/05/2023 22:45* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *99.5%* | | *60-140* | | | | | *06/05/2023 22:45* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *78.0%* | | *60-140* | | | | | *06/05/2023 22:45* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *80.1%* | | *60-140* | | | | | *06/05/2023 22:45* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.140 | | mg/kg dry | 1 | 0.00113 | 0.0798 | BGF0506 | 06/09/2023 15:58 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-3
Lab Sample ID: 23E2848-18
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 33.5 | V | ug/kg dry | 1 | 20.3 | 20.3 | BGE4145 | 06/01/2023 11:57 | KRB |
| SW-8270 | Phenol, Total | A | 559 | V | ug/kg dry | 1 | 40.5 | 40.5 | BGE4145 | 06/01/2023 11:57 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *27.0%* | *S* | *60-140* | | | | | *06/01/2023 11:57* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *68.1%* | | *60-140* | | | | | *06/01/2023 11:57* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *73.9%* | | *60-140* | | | | | *06/01/2023 11:57* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *87.8%* | | *60-140* | | | | | *06/01/2023 11:57* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *57.9%* | *S* | *60-140* | | | | | *06/01/2023 11:57* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *42.6%* | *S* | *60-140* | | | | | *06/01/2023 11:57* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | <0.0141 | U | mg/kg dry | 1 | 0.0141 | 0.176 | BGE2506 | 06/02/2023 16:56 | TBB |
| EPA 200.8 | Arsenic | N | 11.3 | | mg/kg dry | 1 | 0.0216 | 0.0878 | BGE2506 | 06/02/2023 12:11 | TBB |
| EPA 200.8 | Beryllium | N | 0.0118 | J | mg/kg dry | 1 | 0.00176 | 0.0351 | BGE2506 | 06/08/2023 14:58 | TBB |
| EPA 200.8 | Cadmium | N | 0.417 | | mg/kg dry | 1 | 0.00555 | 0.176 | BGE2506 | 06/02/2023 12:11 | TBB |
| EPA 200.8 | Chromium | N | 0.282 | V, J | mg/kg dry | 1 | 0.0129 | 0.527 | BGE2506 | 06/02/2023 12:11 | TBB |
| EPA 200.8 | Copper | N | 12.6 | V | mg/kg dry | 1 | 0.0153 | 0.176 | BGE2506 | 06/02/2023 12:11 | TBB |
| SW-7471B | Mercury | A | <0.0435 | U | mg/kg dry | 1 | 0.0435 | 0.0871 | BGE3654 | 06/07/2023 14:41 | AKR |
| EPA 200.8 | Lead | N | 0.469 | V | mg/kg dry | 1 | 0.0133 | 0.0878 | BGE2506 | 06/02/2023 16:56 | TBB |
| EPA 200.8 | Nickel | N | 3.15 | V | mg/kg dry | 1 | 0.00311 | 0.176 | BGE2506 | 06/02/2023 12:11 | TBB |
| EPA 200.8 | Selenium | N | 1.97 | | mg/kg dry | 1 | 0.193 | 0.351 | BGE2506 | 06/08/2023 14:58 | TBB |
| EPA 200.8 | Thallium | N | 0.00351 | J | mg/kg dry | 1 | 0.00121 | 0.0878 | BGE2506 | 06/02/2023 12:11 | TBB |
| EPA 200.8 | Zinc | N | 124 | V | mg/kg dry | 5 | 0.330 | 1.76 | BGE2506 | 06/08/2023 15:01 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 11.4 | V | % | 1 | 0.100 | 0.100 | BGE2234 | 05/15/2023 11:06 | JRU |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: MM-CDP-PRETEST-3
Lab Sample ID: 23E2848-18RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 11:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 65.4 | V | ug/kg dry | 1 | 20.3 | 20.3 | BGE4145 | 06/05/2023 23:19 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <20.3 | U | ug/kg dry | 1 | 20.3 | 20.3 | BGE4145 | 06/05/2023 23:19 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *27.7%* | *S* | *60-140* | | | | | *06/05/2023 23:19* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *76.6%* | | *60-140* | | | | | *06/05/2023 23:19* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *88.1%* | | *60-140* | | | | | *06/05/2023 23:19* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *109%* | | *60-140* | | | | | *06/05/2023 23:19* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *93.3%* | | *60-140* | | | | | *06/05/2023 23:19* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *82.2%* | | *60-140* | | | | | *06/05/2023 23:19* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.174 | | mg/kg dry | 1 | 0.00122 | 0.0861 | BGF0506 | 06/09/2023 16:00 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-1
Lab Sample ID: 23E2848-19
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 487 | V | ug/kg dry | 1 | 35.0 | 35.0 | BGE4170 | 06/05/2023 07:46 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *3.06%* | *S* | *60-140* | | | | | *06/05/2023 07:46* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *48.4%* | *S* | *60-140* | | | | | *06/05/2023 07:46* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *60.2%* | | *60-140* | | | | | *06/05/2023 07:46* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0146 | J | mg/kg dry | 1 | 0.0119 | 0.147 | BGE2506 | 06/02/2023 17:01 | TBB |
| EPA 200.8 | Arsenic | N | 14.7 | | mg/kg dry | 5 | 0.0906 | 0.368 | BGE2506 | 06/02/2023 12:18 | TBB |
| EPA 200.8 | Beryllium | N | 0.00250 | J | mg/kg dry | 1 | 0.00147 | 0.0295 | BGE2506 | 06/08/2023 15:03 | TBB |
| EPA 200.8 | Cadmium | N | 0.210 | | mg/kg dry | 1 | 0.00465 | 0.147 | BGE2506 | 06/02/2023 12:16 | TBB |
| EPA 200.8 | Chromium | N | 0.517 | V | mg/kg dry | 1 | 0.0108 | 0.442 | BGE2506 | 06/02/2023 12:16 | TBB |
| EPA 200.8 | Copper | N | 7.64 | V | mg/kg dry | 1 | 0.0128 | 0.147 | BGE2506 | 06/02/2023 12:16 | TBB |
| SW-7471B | Mercury | A | 0.0396 | J | mg/kg dry | 1 | 0.0349 | 0.0699 | BGE3654 | 06/07/2023 14:45 | AKR |
| EPA 200.8 | Lead | N | 0.526 | V | mg/kg dry | 1 | 0.0111 | 0.0736 | BGE2506 | 06/02/2023 17:01 | TBB |
| EPA 200.8 | Nickel | N | 1.10 | V | mg/kg dry | 1 | 0.00261 | 0.147 | BGE2506 | 06/02/2023 12:16 | TBB |
| EPA 200.8 | Selenium | N | 2.24 | | mg/kg dry | 1 | 0.162 | 0.295 | BGE2506 | 06/08/2023 15:03 | TBB |
| EPA 200.8 | Thallium | N | 0.00162 | J | mg/kg dry | 1 | 0.00102 | 0.0736 | BGE2506 | 06/02/2023 12:16 | TBB |
| EPA 200.8 | Zinc | N | 62.1 | V | mg/kg dry | 5 | 0.277 | 1.47 | BGE2506 | 06/08/2023 15:06 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.6 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-1
Lab Sample ID: 23E2848-19RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.106 | | mg/kg dry | 1 | 0.00101 | 0.0711 | BGF0506 | 06/09/2023 16:03 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-2
Lab Sample ID: 23E2848-20
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 379 | V | ug/kg dry | 1 | 35.3 | 35.3 | BGE4170 | 06/05/2023 08:21 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *4.28%* | *S* | *60-140* | | | | | *06/05/2023 08:21* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *58.4%* | *S* | *60-140* | | | | | *06/05/2023 08:21* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *64.0%* | | *60-140* | | | | | *06/05/2023 08:21* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0170 | J | mg/kg dry | 1 | 0.0115 | 0.143 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Arsenic | N | 14.8 | | mg/kg dry | 5 | 0.0880 | 0.358 | BGE2507 | 06/06/2023 15:41 | TBB |
| EPA 200.8 | Beryllium | N | 0.00658 | J | mg/kg dry | 1 | 0.00143 | 0.0286 | BGE2507 | 06/07/2023 12:11 | TBB |
| EPA 200.8 | Cadmium | N | 0.216 | | mg/kg dry | 1 | 0.00452 | 0.143 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Chromium | N | 0.830 | V | mg/kg dry | 1 | 0.0105 | 0.429 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Copper | N | 8.59 | V | mg/kg dry | 1 | 0.0124 | 0.143 | BGE2507 | 06/06/2023 15:39 | TBB |
| SW-7471B | Mercury | A | <0.0352 | U | mg/kg dry | 1 | 0.0352 | 0.0703 | BGE3654 | 06/07/2023 14:48 | AKR |
| EPA 200.8 | Lead | N | 0.674 | | mg/kg dry | 1 | 0.0108 | 0.0715 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Nickel | N | 1.23 | V | mg/kg dry | 1 | 0.00253 | 0.143 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Selenium | N | 2.15 | | mg/kg dry | 1 | 0.157 | 0.286 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Thallium | N | 0.00243 | J | mg/kg dry | 1 | 0.000987 | 0.0715 | BGE2507 | 06/06/2023 15:39 | TBB |
| EPA 200.8 | Zinc | N | 360 | | mg/kg dry | 20 | 1.07 | 5.72 | BGE2507 | 06/08/2023 15:08 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.0 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-06-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-20RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.151 | | mg/kg dry | 1 | 0.000992 | 0.0698 | BGF0507 | 06/09/2023 16:27 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-3
Lab Sample ID: 23E2848-21
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 519 | V | ug/kg dry | 1 | 38.5 | 38.5 | BGE4170 | 06/05/2023 08:55 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *35.0%* | *S* | *60-140* | | | | | *06/05/2023 08:55* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *73.4%* | | *60-140* | | | | | *06/05/2023 08:55* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *79.3%* | | *60-140* | | | | | *06/05/2023 08:55* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0165 | J | mg/kg dry | 1 | 0.0133 | 0.165 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Arsenic | N | 14.4 | | mg/kg dry | 1 | 0.0203 | 0.0824 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Beryllium | N | 0.00807 | J | mg/kg dry | 1 | 0.00165 | 0.0329 | BGE2507 | 06/07/2023 12:26 | TBB |
| EPA 200.8 | Cadmium | N | 0.185 | | mg/kg dry | 1 | 0.00520 | 0.165 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Chromium | N | 0.950 | V | mg/kg dry | 1 | 0.0121 | 0.494 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Copper | N | 9.62 | V | mg/kg dry | 1 | 0.0143 | 0.165 | BGE2507 | 06/06/2023 15:53 | TBB |
| SW-7471B | Mercury | A | <0.0391 | U | mg/kg dry | 1 | 0.0391 | 0.0781 | BGE3655 | 06/08/2023 15:28 | AKR |
| EPA 200.8 | Lead | N | 0.655 | | mg/kg dry | 1 | 0.0124 | 0.0824 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Nickel | N | 1.31 | V | mg/kg dry | 1 | 0.00292 | 0.165 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Selenium | N | 1.94 | | mg/kg dry | 1 | 0.181 | 0.329 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Thallium | N | 0.00280 | J | mg/kg dry | 1 | 0.00114 | 0.0824 | BGE2507 | 06/06/2023 15:53 | TBB |
| EPA 200.8 | Zinc | N | 57.4 | | mg/kg dry | 1 | 0.0618 | 0.329 | BGE2507 | 06/06/2023 15:53 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.2 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-3
Lab Sample ID: 23E2848-21RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.109 | | mg/kg dry | 1 | 0.00115 | 0.0807 | BGF0507 | 06/09/2023 16:12 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-4
Lab Sample ID: 23E2848-22
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 514 | V | ug/kg dry | 1 | 35.9 | 35.9 | BGE4170 | 06/05/2023 09:30 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *4.37%* | *S* | *60-140* | | | | | *06/05/2023 09:30* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *51.2%* | *S* | *60-140* | | | | | *06/05/2023 09:30* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *59.2%* | *S* | *60-140* | | | | | *06/05/2023 09:30* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0167 | J | mg/kg dry | 1 | 0.0123 | 0.153 | BGE2507 | 06/07/2023 12:39 | TBB |
| EPA 200.8 | Arsenic | N | 14.4 | | mg/kg dry | 5 | 0.0942 | 0.383 | BGE2507 | 06/07/2023 12:41 | TBB |
| EPA 200.8 | Beryllium | N | 0.00751 | J | mg/kg dry | 1 | 0.00153 | 0.0306 | BGE2507 | 06/07/2023 12:39 | TBB |
| EPA 200.8 | Cadmium | N | 0.218 | | mg/kg dry | 1 | 0.00484 | 0.153 | BGE2507 | 06/07/2023 12:39 | TBB |
| EPA 200.8 | Chromium | N | 0.802 | A, V, J | mg/kg dry | 5 | 0.0563 | 2.30 | BGE2507 | 06/07/2023 12:41 | TBB |
| EPA 200.8 | Copper | N | 8.35 | V | mg/kg dry | 5 | 0.0667 | 0.766 | BGE2507 | 06/07/2023 12:41 | TBB |
| SW-7471B | Mercury | A | <0.0377 | U | mg/kg dry | 1 | 0.0377 | 0.0754 | BGE3655 | 06/08/2023 15:18 | AKR |
| EPA 200.8 | Lead | N | 0.616 | | mg/kg dry | 1 | 0.0116 | 0.0766 | BGE2507 | 06/07/2023 12:39 | TBB |
| EPA 200.8 | Nickel | N | 1.16 | V | mg/kg dry | 5 | 0.0136 | 0.766 | BGE2507 | 06/07/2023 12:41 | TBB |
| EPA 200.8 | Selenium | N | 1.74 | | mg/kg dry | 5 | 0.843 | 1.53 | BGE2507 | 06/07/2023 12:41 | TBB |
| EPA 200.8 | Thallium | N | 0.00276 | J | mg/kg dry | 1 | 0.00106 | 0.0766 | BGE2507 | 06/07/2023 12:39 | TBB |
| EPA 200.8 | Zinc | N | 59.9 | | mg/kg dry | 5 | 0.288 | 1.53 | BGE2507 | 06/07/2023 12:41 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.1 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-4
Lab Sample ID: 23E2848-22RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.110 | | mg/kg dry | 1 | 0.00108 | 0.0763 | BGF0507 | 06/09/2023 16:29 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-5
Lab Sample ID: 23E2848-23
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Phenol, Total | A | 384 | V | ug/kg dry | 1 | 35.8 | 35.8 | BGE4170 | 06/05/2023 10:39 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *8.98%* | *S* | *60-140* | | | | | *06/05/2023 10:39* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *74.3%* | | *60-140* | | | | | *06/05/2023 10:39* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *84.6%* | | *60-140* | | | | | *06/05/2023 10:39* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0174 | J | mg/kg dry | 1 | 0.0116 | 0.144 | BGE2507 | 06/07/2023 12:44 | TBB |
| EPA 200.8 | Arsenic | N | 14.0 | | mg/kg dry | 10 | 0.177 | 0.719 | BGE2507 | 06/07/2023 12:46 | TBB |
| EPA 200.8 | Beryllium | N | 0.0114 | J | mg/kg dry | 1 | 0.00144 | 0.0288 | BGE2507 | 06/07/2023 12:44 | TBB |
| EPA 200.8 | Cadmium | N | 0.169 | | mg/kg dry | 1 | 0.00454 | 0.144 | BGE2507 | 06/07/2023 12:44 | TBB |
| EPA 200.8 | Chromium | N | 0.773 | A, V, J | mg/kg dry | 10 | 0.106 | 4.31 | BGE2507 | 06/07/2023 12:46 | TBB |
| EPA 200.8 | Copper | N | 7.43 | V | mg/kg dry | 10 | 0.125 | 1.44 | BGE2507 | 06/07/2023 12:46 | TBB |
| SW-7471B | Mercury | A | <0.0345 | U | mg/kg dry | 1 | 0.0345 | 0.0690 | BGE3655 | 06/08/2023 15:55 | AKR |
| EPA 200.8 | Lead | N | 0.625 | | mg/kg dry | 1 | 0.0109 | 0.0719 | BGE2507 | 06/07/2023 12:44 | TBB |
| EPA 200.8 | Nickel | N | 1.37 | A, V, J | mg/kg dry | 10 | 0.0254 | 1.44 | BGE2507 | 06/07/2023 12:46 | TBB |
| EPA 200.8 | Selenium | N | 1.66 | A, J | mg/kg dry | 10 | 1.58 | 2.88 | BGE2507 | 06/07/2023 12:46 | TBB |
| EPA 200.8 | Thallium | N | 0.00230 | J | mg/kg dry | 1 | 0.000992 | 0.0719 | BGE2507 | 06/07/2023 12:44 | TBB |
| EPA 200.8 | Zinc | N | 239 | | mg/kg dry | 10 | 0.540 | 2.88 | BGE2507 | 06/07/2023 12:46 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.8 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-06-5
Lab Sample ID: 23E2848-23RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0936 | | mg/kg dry | 1 | 0.00103 | 0.0725 | BGF0507 | 06/09/2023 16:31 | TBB |

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## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-1
Lab Sample ID: 23E2848-24
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 27.8 | V | ug/kg dry | 1 | 16.6 | 16.6 | BGE4170 | 06/05/2023 11:13 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 29.4 | V | ug/kg dry | 1 | 16.6 | 16.6 | BGE4170 | 06/05/2023 11:13 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <16.6 | U | ug/kg dry | 1 | 16.6 | 16.6 | BGE4170 | 06/05/2023 11:13 | KRB |
| SW-8270 | Phenol, Total | A | 614 | V | ug/kg dry | 1 | 33.2 | 33.2 | BGE4170 | 06/05/2023 11:13 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *2.01%* | *S* | *60-140* | | | | | *06/05/2023 11:13* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *31.6%* | *S* | *60-140* | | | | | *06/05/2023 11:13* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *51.4%* | *S* | *60-140* | | | | | *06/05/2023 11:13* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *66.1%* | | *60-140* | | | | | *06/05/2023 11:13* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *67.4%* | | *60-140* | | | | | *06/05/2023 11:13* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *25.5%* | *S* | *60-140* | | | | | *06/05/2023 11:13* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0220 | J | mg/kg dry | 1 | 0.0114 | 0.142 | BGE2507 | 06/07/2023 12:49 | TBB |
| EPA 200.8 | Arsenic | N | 16.0 | | mg/kg dry | 5 | 0.0872 | 0.355 | BGE2507 | 06/08/2023 15:20 | TBB |
| EPA 200.8 | Beryllium | N | 0.00610 | J | mg/kg dry | 1 | 0.00142 | 0.0284 | BGE2507 | 06/07/2023 12:49 | TBB |
| EPA 200.8 | Cadmium | N | 0.215 | | mg/kg dry | 1 | 0.00448 | 0.142 | BGE2507 | 06/07/2023 12:49 | TBB |
| EPA 200.8 | Chromium | N | 1.36 | V | mg/kg dry | 1 | 0.0104 | 0.426 | BGE2507 | 06/08/2023 15:18 | TBB |
| EPA 200.8 | Copper | N | 19.8 | V | mg/kg dry | 1 | 0.0123 | 0.142 | BGE2507 | 06/08/2023 15:18 | TBB |
| SW-7471B | Mercury | A | <0.0347 | U | mg/kg dry | 1 | 0.0347 | 0.0695 | BGE3655 | 06/08/2023 15:31 | AKR |
| EPA 200.8 | Lead | N | 0.990 | | mg/kg dry | 1 | 0.0107 | 0.0709 | BGE2507 | 06/07/2023 12:49 | TBB |
| EPA 200.8 | Nickel | N | 1.28 | V | mg/kg dry | 1 | 0.00251 | 0.142 | BGE2507 | 06/08/2023 15:18 | TBB |
| EPA 200.8 | Selenium | N | 2.28 | | mg/kg dry | 1 | 0.156 | 0.284 | BGE2507 | 06/08/2023 15:18 | TBB |
| EPA 200.8 | Thallium | N | 0.00255 | J | mg/kg dry | 1 | 0.000979 | 0.0709 | BGE2507 | 06/07/2023 12:49 | TBB |
| EPA 200.8 | Zinc | N | 68.1 | | mg/kg dry | 5 | 0.266 | 1.42 | BGE2507 | 06/08/2023 15:20 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.0 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-1
Lab Sample ID: 23E2848-24RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0832 | | mg/kg dry | 1 | 0.00100 | 0.0706 | BGF0507 | 06/09/2023 16:34 | TBB |

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## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-2
Lab Sample ID: 23E2848-25
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 47.6 | V | ug/kg dry | 1 | 17.1 | 17.1 | BGE4170 | 06/05/2023 11:48 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 51.2 | V | ug/kg dry | 1 | 17.1 | 17.1 | BGE4170 | 06/05/2023 11:48 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <17.1 | U | ug/kg dry | 1 | 17.1 | 17.1 | BGE4170 | 06/05/2023 11:48 | KRB |
| SW-8270 | Phenol, Total | A | 610 | V | ug/kg dry | 1 | 34.3 | 34.3 | BGE4170 | 06/05/2023 11:48 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *2.05%* | *S* | *60-140* | | | | | *06/05/2023 11:48* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *26.4%* | *S* | *60-140* | | | | | *06/05/2023 11:48* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *53.7%* | *S* | *60-140* | | | | | *06/05/2023 11:48* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *61.1%* | | *60-140* | | | | | *06/05/2023 11:48* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *67.3%* | | *60-140* | | | | | *06/05/2023 11:48* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *21.7%* | *S* | *60-140* | | | | | *06/05/2023 11:48* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0233 | J | mg/kg dry | 1 | 0.0117 | 0.145 | BGE2507 | 06/07/2023 12:54 | TBB |
| EPA 200.8 | Arsenic | N | 15.4 | | mg/kg dry | 10 | 0.179 | 0.727 | BGE2507 | 06/07/2023 12:59 | TBB |
| EPA 200.8 | Beryllium | N | 0.00378 | J | mg/kg dry | 1 | 0.00145 | 0.0291 | BGE2507 | 06/07/2023 12:54 | TBB |
| EPA 200.8 | Cadmium | N | 0.212 | | mg/kg dry | 1 | 0.00459 | 0.145 | BGE2507 | 06/07/2023 12:54 | TBB |
| EPA 200.8 | Chromium | N | 1.22 | A, V, J | mg/kg dry | 10 | 0.107 | 4.36 | BGE2507 | 06/07/2023 12:59 | TBB |
| EPA 200.8 | Copper | N | 22.9 | V | mg/kg dry | 10 | 0.126 | 1.45 | BGE2507 | 06/07/2023 12:59 | TBB |
| SW-7471B | Mercury | A | <0.0360 | U | mg/kg dry | 1 | 0.0360 | 0.0721 | BGE3655 | 06/08/2023 15:35 | AKR |
| EPA 200.8 | Lead | N | 1.03 | | mg/kg dry | 1 | 0.0110 | 0.0727 | BGE2507 | 06/07/2023 12:54 | TBB |
| EPA 200.8 | Nickel | N | 1.31 | A, V, J | mg/kg dry | 10 | 0.0257 | 1.45 | BGE2507 | 06/07/2023 12:59 | TBB |
| EPA 200.8 | Selenium | N | 1.95 | A, J | mg/kg dry | 10 | 1.60 | 2.91 | BGE2507 | 06/07/2023 12:59 | TBB |
| EPA 200.8 | Thallium | N | 0.00204 | J | mg/kg dry | 1 | 0.00100 | 0.0727 | BGE2507 | 06/07/2023 12:54 | TBB |
| EPA 200.8 | Zinc | N | 137 | | mg/kg dry | 10 | 0.546 | 2.91 | BGE2507 | 06/07/2023 12:59 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.8 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-07-2 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-25RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.111 | | mg/kg dry | 1 | 0.00103 | 0.0724 | BGF0507 | 06/09/2023 16:36 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-3
Lab Sample ID: 23E2848-26
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 31.6 | V | ug/kg dry | 1 | 17.4 | 17.4 | BGE4170 | 06/05/2023 12:23 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 25.5 | V | ug/kg dry | 1 | 17.4 | 17.4 | BGE4170 | 06/05/2023 12:23 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <17.4 | U | ug/kg dry | 1 | 17.4 | 17.4 | BGE4170 | 06/05/2023 12:23 | KRB |
| SW-8270 | Phenol, Total | A | 377 | V | ug/kg dry | 1 | 34.9 | 34.9 | BGE4170 | 06/05/2023 12:23 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *6.27%* | *S* | *60-140* | | | | | *06/05/2023 12:23* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *28.5%* | *S* | *60-140* | | | | | *06/05/2023 12:23* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *62.2%* | | *60-140* | | | | | *06/05/2023 12:23* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *73.3%* | | *60-140* | | | | | *06/05/2023 12:23* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *65.3%* | | *60-140* | | | | | *06/05/2023 12:23* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *22.8%* | *S* | *60-140* | | | | | *06/05/2023 12:23* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0269 | J | mg/kg dry | 1 | 0.0115 | 0.143 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Arsenic | N | 15.9 | | mg/kg dry | 10 | 0.175 | 0.713 | BGE2507 | 06/07/2023 13:14 | TBB |
| EPA 200.8 | Beryllium | N | 0.00699 | J | mg/kg dry | 1 | 0.00143 | 0.0285 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Cadmium | N | 0.212 | | mg/kg dry | 1 | 0.00450 | 0.143 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Chromium | N | 2.26 | V | mg/kg dry | 1 | 0.0105 | 0.428 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Copper | N | 24.5 | V | mg/kg dry | 1 | 0.0124 | 0.143 | BGE2507 | 06/07/2023 13:09 | TBB |
| SW-7471B | Mercury | A | <0.0353 | U | mg/kg dry | 1 | 0.0353 | 0.0707 | BGE3655 | 06/08/2023 15:38 | AKR |
| EPA 200.8 | Lead | N | 1.09 | | mg/kg dry | 1 | 0.0108 | 0.0713 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Nickel | N | 1.36 | V | mg/kg dry | 1 | 0.00252 | 0.143 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Selenium | N | 2.25 | | mg/kg dry | 1 | 0.157 | 0.285 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Thallium | N | 0.00257 | J | mg/kg dry | 1 | 0.000984 | 0.0713 | BGE2507 | 06/07/2023 13:09 | TBB |
| EPA 200.8 | Zinc | N | 71.5 | | mg/kg dry | 10 | 0.535 | 2.85 | BGE2507 | 06/07/2023 13:14 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.0 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-3
Lab Sample ID: 23E2848-26RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.112 | | mg/kg dry | 1 | 0.000996 | 0.0702 | BGF0507 | 06/09/2023 16:39 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-4
Lab Sample ID: 23E2848-27
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | <16.9 | U, B | ug/kg dry | 1 | 16.9 | 16.9 | BGE4170 | 06/05/2023 12:57 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 61.7 | V | ug/kg dry | 1 | 16.9 | 16.9 | BGE4170 | 06/05/2023 12:57 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <16.9 | U | ug/kg dry | 1 | 16.9 | 16.9 | BGE4170 | 06/05/2023 12:57 | KRB |
| SW-8270 | Phenol, Total | A | 487 | V | ug/kg dry | 1 | 33.7 | 33.7 | BGE4170 | 06/05/2023 12:57 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *37.1%* | *S* | *60-140* | | | | | *06/05/2023 12:57* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *42.5%* | *S* | *60-140* | | | | | *06/05/2023 12:57* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *81.8%* | | *60-140* | | | | | *06/05/2023 12:57* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *86.8%* | | *60-140* | | | | | *06/05/2023 12:57* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *77.4%* | | *60-140* | | | | | *06/05/2023 12:57* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *23.4%* | *S* | *60-140* | | | | | *06/05/2023 12:57* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0209 | J | mg/kg dry | 1 | 0.0110 | 0.137 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Arsenic | N | 14.4 | | mg/kg dry | 10 | 0.168 | 0.684 | BGE2507 | 06/07/2023 13:21 | TBB |
| EPA 200.8 | Beryllium | N | 0.00424 | J | mg/kg dry | 1 | 0.00137 | 0.0274 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Cadmium | N | 0.194 | | mg/kg dry | 1 | 0.00432 | 0.137 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Chromium | N | 1.52 | V | mg/kg dry | 1 | 0.0101 | 0.411 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Copper | N | 19.8 | V | mg/kg dry | 1 | 0.0119 | 0.137 | BGE2507 | 06/07/2023 13:16 | TBB |
| SW-7471B | Mercury | A | <0.0328 | U | mg/kg dry | 1 | 0.0328 | 0.0657 | BGE3655 | 06/08/2023 15:41 | AKR |
| EPA 200.8 | Lead | N | 0.924 | | mg/kg dry | 1 | 0.0103 | 0.0684 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Nickel | N | 1.15 | V | mg/kg dry | 1 | 0.00242 | 0.137 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Selenium | N | 2.16 | | mg/kg dry | 1 | 0.151 | 0.274 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Thallium | N | 0.00192 | J | mg/kg dry | 1 | 0.000944 | 0.0684 | BGE2507 | 06/07/2023 13:16 | TBB |
| EPA 200.8 | Zinc | N | 63.7 | | mg/kg dry | 10 | 0.514 | 2.74 | BGE2507 | 06/07/2023 13:21 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.6 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-07-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-27RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0976 | | mg/kg dry | 1 | 0.000960 | 0.0676 | BGF0507 | 06/09/2023 16:41 | TBB |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-5
Lab Sample ID: 23E2848-28
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate | A | 32.1 | V | ug/kg dry | 1 | 16.6 | 16.6 | BGE4170 | 06/05/2023 13:32 | KRB |
| SW-8270 | Di-n-butyl phthalate | A | 28.7 | V | ug/kg dry | 1 | 16.6 | 16.6 | BGE4170 | 06/05/2023 13:32 | KRB |
| SW-8270 | Di-n-octyl phthalate | A | <16.6 | U | ug/kg dry | 1 | 16.6 | 16.6 | BGE4170 | 06/05/2023 13:32 | KRB |
| SW-8270 | Phenol, Total | A | 524 | V | ug/kg dry | 1 | 33.3 | 33.3 | BGE4170 | 06/05/2023 13:32 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *1.60%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *13.6%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *43.3%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *51.2%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *54.5%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *13.2%* | *S* | *60-140* | | | | | *06/05/2023 13:32* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0160 | J | mg/kg dry | 1 | 0.0114 | 0.142 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Arsenic | N | 14.8 | | mg/kg dry | 10 | 0.174 | 0.709 | BGE2507 | 06/07/2023 13:29 | TBB |
| EPA 200.8 | Beryllium | N | 0.00312 | J | mg/kg dry | 1 | 0.00142 | 0.0284 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Cadmium | N | 0.177 | | mg/kg dry | 1 | 0.00448 | 0.142 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Chromium | N | 0.683 | V | mg/kg dry | 1 | 0.0104 | 0.426 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Copper | N | 13.2 | V | mg/kg dry | 1 | 0.0123 | 0.142 | BGE2507 | 06/07/2023 13:24 | TBB |
| SW-7471B | Mercury | A | <0.0353 | U | mg/kg dry | 1 | 0.0353 | 0.0706 | BGE3655 | 06/08/2023 15:45 | AKR |
| EPA 200.8 | Lead | N | 0.651 | | mg/kg dry | 1 | 0.0107 | 0.0709 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Nickel | N | 0.973 | V | mg/kg dry | 1 | 0.00251 | 0.142 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Selenium | N | 2.32 | | mg/kg dry | 1 | 0.156 | 0.284 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Thallium | N | 0.00184 | J | mg/kg dry | 1 | 0.000979 | 0.0709 | BGE2507 | 06/07/2023 13:24 | TBB |
| EPA 200.8 | Zinc | N | 240 | | mg/kg dry | 10 | 0.533 | 2.84 | BGE2507 | 06/07/2023 13:29 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.2 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-07-5
Lab Sample ID: 23E2848-28RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0888 | | mg/kg dry | 1 | 0.00101 | 0.0709 | BGF0507 | 06/09/2023 16:44 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-1
Lab Sample ID: 23E2848-29
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 38.4 | V | ug/kg dry | 1 | 16.2 | 16.2 | BGE4145 | 06/01/2023 12:32 | KRB |
| SW-8270 | Phenol, Total | A | 350 | V | ug/kg dry | 1 | 32.5 | 32.5 | BGE4145 | 06/01/2023 12:32 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *5.72%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *26.8%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *51.7%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *58.0%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *38.6%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *26.9%* | *S* | *60-140* | | | | | *06/01/2023 12:32* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0183 | J | mg/kg dry | 1 | 0.0111 | 0.138 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Arsenic | N | 14.3 | | mg/kg dry | 5 | 0.0850 | 0.346 | BGE2507 | 06/07/2023 13:41 | TBB |
| EPA 200.8 | Beryllium | N | 0.00470 | J | mg/kg dry | 1 | 0.00138 | 0.0277 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Cadmium | N | 0.182 | | mg/kg dry | 1 | 0.00437 | 0.138 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Chromium | N | 0.868 | V | mg/kg dry | 1 | 0.0102 | 0.415 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Copper | N | 12.7 | V | mg/kg dry | 1 | 0.0120 | 0.138 | BGE2507 | 06/07/2023 13:31 | TBB |
| SW-7471B | Mercury | A | <0.0322 | U | mg/kg dry | 1 | 0.0322 | 0.0643 | BGE3655 | 06/08/2023 16:05 | AKR |
| EPA 200.8 | Lead | N | 0.732 | | mg/kg dry | 1 | 0.0104 | 0.0691 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Nickel | N | 1.10 | V | mg/kg dry | 1 | 0.00245 | 0.138 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Selenium | N | 2.08 | | mg/kg dry | 1 | 0.152 | 0.277 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Thallium | N | 0.00207 | J | mg/kg dry | 1 | 0.000954 | 0.0691 | BGE2507 | 06/07/2023 13:31 | TBB |
| EPA 200.8 | Zinc | N | 56.9 | | mg/kg dry | 5 | 0.260 | 1.38 | BGE2507 | 06/07/2023 13:41 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.5 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Sample Results
**(Continued)**

Client Sample ID: NV-REF-1
Lab Sample ID: 23E2848-29RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 25.5 | V | ug/kg dry | 1 | 16.2 | 16.2 | BGE4145 | 06/05/2023 23:54 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <16.2 | U | ug/kg dry | 1 | 16.2 | 16.2 | BGE4145 | 06/05/2023 23:54 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *5.10%* | *S* | *60-140* | | | | | *06/05/2023 23:54* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *30.6%* | *S* | *60-140* | | | | | *06/05/2023 23:54* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *64.8%* | | *60-140* | | | | | *06/05/2023 23:54* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *79.7%* | | *60-140* | | | | | *06/05/2023 23:54* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *68.1%* | | *60-140* | | | | | *06/05/2023 23:54* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *29.9%* | *S* | *60-140* | | | | | *06/05/2023 23:54* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.153 | | mg/kg dry | 1 | 0.000951 | 0.0670 | BGF0507 | 06/09/2023 16:53 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-2
Lab Sample ID: 23E2848-30
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 23.2 | V | ug/kg dry | 1 | 17.0 | 17.0 | BGE4145 | 06/01/2023 13:06 | KRB |
| SW-8270 | Phenol, Total | A | 377 | V | ug/kg dry | 1 | 34.0 | 34.0 | BGE4145 | 06/01/2023 13:06 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *20.9%* | *S* | *60-140* | | | | | *06/01/2023 13:06* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *57.0%* | *S* | *60-140* | | | | | *06/01/2023 13:06* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *71.8%* | | *60-140* | | | | | *06/01/2023 13:06* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *90.4%* | | *60-140* | | | | | *06/01/2023 13:06* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *49.0%* | *S* | *60-140* | | | | | *06/01/2023 13:06* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *24.9%* | *S* | *60-140* | | | | | *06/01/2023 13:06* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0228 | J | mg/kg dry | 1 | 0.0114 | 0.142 | BGE2507 | 06/07/2023 13:46 | TBB |
| EPA 200.8 | Arsenic | N | 14.0 | | mg/kg dry | 5 | 0.0872 | 0.355 | BGE2507 | 06/07/2023 13:48 | TBB |
| EPA 200.8 | Beryllium | N | 0.00440 | J | mg/kg dry | 1 | 0.00142 | 0.0284 | BGE2507 | 06/07/2023 13:46 | TBB |
| EPA 200.8 | Cadmium | N | 0.179 | | mg/kg dry | 1 | 0.00448 | 0.142 | BGE2507 | 06/07/2023 13:46 | TBB |
| EPA 200.8 | Chromium | N | 1.08 | A, V, J | mg/kg dry | 5 | 0.0521 | 2.13 | BGE2507 | 06/07/2023 13:48 | TBB |
| EPA 200.8 | Copper | N | 19.5 | V | mg/kg dry | 5 | 0.0617 | 0.709 | BGE2507 | 06/07/2023 13:48 | TBB |
| SW-7471B | Mercury | A | <0.0354 | U | mg/kg dry | 1 | 0.0354 | 0.0709 | BGE3655 | 06/08/2023 16:08 | AKR |
| EPA 200.8 | Lead | N | 0.882 | | mg/kg dry | 1 | 0.0107 | 0.0709 | BGE2507 | 06/07/2023 13:46 | TBB |
| EPA 200.8 | Nickel | N | 1.29 | V | mg/kg dry | 5 | 0.0126 | 0.709 | BGE2507 | 06/07/2023 13:48 | TBB |
| EPA 200.8 | Selenium | N | 1.66 | | mg/kg dry | 5 | 0.780 | 1.42 | BGE2507 | 06/07/2023 13:48 | TBB |
| EPA 200.8 | Thallium | N | 0.00199 | J | mg/kg dry | 1 | 0.000979 | 0.0709 | BGE2507 | 06/07/2023 13:46 | TBB |
| EPA 200.8 | Zinc | N | 177 | | mg/kg dry | 5 | 0.266 | 1.42 | BGE2507 | 06/07/2023 13:48 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 14.0 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-2
Lab Sample ID: 23E2848-30RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 38.5 | V | ug/kg dry | 1 | 17.0 | 17.0 | BGE4145 | 06/06/2023 00:28 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <17.0 | U | ug/kg dry | 1 | 17.0 | 17.0 | BGE4145 | 06/06/2023 00:28 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *29.1%* | *S* | *60-140* | | | | | *06/06/2023 00:28* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *60.0%* | | *60-140* | | | | | *06/06/2023 00:28* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *84.7%* | | *60-140* | | | | | *06/06/2023 00:28* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *99.8%* | | *60-140* | | | | | *06/06/2023 00:28* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *80.7%* | | *60-140* | | | | | *06/06/2023 00:28* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *54.6%* | *S* | *60-140* | | | | | *06/06/2023 00:28* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.152 | | mg/kg dry | 1 | 0.00101 | 0.0712 | BGF0507 | 06/09/2023 17:03 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-3
Lab Sample ID: 23E2848-31
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 34.3 | V | ug/kg dry | 1 | 19.2 | 19.2 | BGE4145 | 06/01/2023 13:41 | KRB |
| SW-8270 | Phenol, Total | A | 454 | V | ug/kg dry | 1 | 38.5 | 38.5 | BGE4145 | 06/01/2023 13:41 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *18.3%* | *S* | *60-140* | | | | | *06/01/2023 13:41* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *47.8%* | *S* | *60-140* | | | | | *06/01/2023 13:41* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *69.4%* | | *60-140* | | | | | *06/01/2023 13:41* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *93.4%* | | *60-140* | | | | | *06/01/2023 13:41* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *48.2%* | *S* | *60-140* | | | | | *06/01/2023 13:41* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *36.0%* | *S* | *60-140* | | | | | *06/01/2023 13:41* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0330 | J | mg/kg dry | 1 | 0.0125 | 0.156 | BGE2507 | 06/07/2023 14:15 | TBB |
| EPA 200.8 | Arsenic | N | 16.8 | | mg/kg dry | 10 | 0.191 | 0.778 | BGE2507 | 06/07/2023 14:20 | TBB |
| EPA 200.8 | Beryllium | N | 0.00560 | J | mg/kg dry | 1 | 0.00156 | 0.0311 | BGE2507 | 06/07/2023 14:15 | TBB |
| EPA 200.8 | Cadmium | N | 0.212 | | mg/kg dry | 1 | 0.00492 | 0.156 | BGE2507 | 06/07/2023 14:15 | TBB |
| EPA 200.8 | Chromium | N | 2.22 | A, V, J | mg/kg dry | 10 | 0.114 | 4.67 | BGE2507 | 06/07/2023 14:20 | TBB |
| EPA 200.8 | Copper | N | 27.3 | V | mg/kg dry | 10 | 0.135 | 1.56 | BGE2507 | 06/07/2023 14:20 | TBB |
| SW-7471B | Mercury | A | <0.0374 | U | mg/kg dry | 1 | 0.0374 | 0.0747 | BGE3655 | 06/08/2023 16:11 | AKR |
| EPA 200.8 | Lead | N | 1.18 | | mg/kg dry | 1 | 0.0118 | 0.0778 | BGE2507 | 06/07/2023 14:15 | TBB |
| EPA 200.8 | Nickel | N | 1.89 | V | mg/kg dry | 10 | 0.0276 | 1.56 | BGE2507 | 06/07/2023 14:20 | TBB |
| EPA 200.8 | Selenium | N | 1.90 | A, J | mg/kg dry | 10 | 1.71 | 3.11 | BGE2507 | 06/07/2023 14:20 | TBB |
| EPA 200.8 | Thallium | N | 0.00342 | J | mg/kg dry | 1 | 0.00107 | 0.0778 | BGE2507 | 06/07/2023 14:15 | TBB |
| EPA 200.8 | Zinc | N | 146 | | mg/kg dry | 10 | 0.584 | 3.11 | BGE2507 | 06/07/2023 14:20 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.8 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-3
Lab Sample ID: 23E2848-31RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 173 | V | ug/kg dry | 1 | 19.2 | 19.2 | BGE4145 | 06/06/2023 01:03 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <19.2 | U | ug/kg dry | 1 | 19.2 | 19.2 | BGE4145 | 06/06/2023 01:03 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *31.5%* | *S* | *60-140* | | | | | *06/06/2023 01:03* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *59.1%* | *S* | *60-140* | | | | | *06/06/2023 01:03* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *81.3%* | | *60-140* | | | | | *06/06/2023 01:03* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *92.7%* | | *60-140* | | | | | *06/06/2023 01:03* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *92.0%* | | *60-140* | | | | | *06/06/2023 01:03* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *86.2%* | | *60-140* | | | | | *06/06/2023 01:03* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.185 | | mg/kg dry | 1 | 0.00109 | 0.0769 | BGF0507 | 06/09/2023 17:05 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-4
Lab Sample ID: 23E2848-32
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 50.1 | V | ug/kg dry | 1 | 21.9 | 21.9 | BGE4145 | 06/01/2023 14:15 | KRB |
| SW-8270 | Phenol, Total | A | 912 | V | ug/kg dry | 1 | 43.7 | 43.7 | BGE4145 | 06/01/2023 14:15 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *15.7%* | *S* | *60-140* | | | | | *06/01/2023 14:15* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *57.1%* | *S* | *60-140* | | | | | *06/01/2023 14:15* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *67.0%* | | *60-140* | | | | | *06/01/2023 14:15* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *102%* | | *60-140* | | | | | *06/01/2023 14:15* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *64.0%* | | *60-140* | | | | | *06/01/2023 14:15* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *23.0%* | *S* | *60-140* | | | | | *06/01/2023 14:15* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0253 | J | mg/kg dry | 1 | 0.0151 | 0.188 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Arsenic | N | 17.4 | | mg/kg dry | 1 | 0.0231 | 0.0938 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Beryllium | N | 0.00694 | J | mg/kg dry | 1 | 0.00188 | 0.0375 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Cadmium | N | 0.203 | | mg/kg dry | 1 | 0.00593 | 0.188 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Chromium | N | 1.58 | V | mg/kg dry | 1 | 0.0138 | 0.563 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Copper | N | 22.4 | V | mg/kg dry | 1 | 0.0163 | 0.188 | BGE2507 | 06/07/2023 14:23 | TBB |
| SW-7471B | Mercury | A | <0.0450 | U | mg/kg dry | 1 | 0.0450 | 0.0900 | BGE3655 | 06/08/2023 16:15 | AKR |
| EPA 200.8 | Lead | N | 1.03 | | mg/kg dry | 1 | 0.0142 | 0.0938 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Nickel | N | 1.61 | V | mg/kg dry | 1 | 0.00332 | 0.188 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Selenium | N | 2.26 | | mg/kg dry | 1 | 0.206 | 0.375 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Thallium | N | 0.00225 | J | mg/kg dry | 1 | 0.00129 | 0.0938 | BGE2507 | 06/07/2023 14:23 | TBB |
| EPA 200.8 | Zinc | N | 64.1 | | mg/kg dry | 1 | 0.0704 | 0.375 | BGE2507 | 06/07/2023 14:23 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 10.7 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-REF-4 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-32RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 74.7 | V | ug/kg dry | 1 | 21.9 | 21.9 | BGE4145 | 06/06/2023 01:38 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <21.9 | U | ug/kg dry | 1 | 21.9 | 21.9 | BGE4145 | 06/06/2023 01:38 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *22.6%* | *S* | *60-140* | | | | | *06/06/2023 01:38* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *68.2%* | | *60-140* | | | | | *06/06/2023 01:38* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *73.6%* | | *60-140* | | | | | *06/06/2023 01:38* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *132%* | | *60-140* | | | | | *06/06/2023 01:38* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *85.9%* | | *60-140* | | | | | *06/06/2023 01:38* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *52.6%* | *S* | *60-140* | | | | | *06/06/2023 01:38* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.132 | | mg/kg dry | 1 | 0.00129 | 0.0909 | BGF0507 | 06/09/2023 16:56 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-REF-5
Lab Sample ID: 23E2848-33
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 30.7 | V | ug/kg dry | 1 | 15.7 | 15.7 | BGE4145 | 06/01/2023 15:24 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *9.87%* | *S* | *60-140* | | | | | *06/01/2023 15:24* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *54.6%* | *S* | *60-140* | | | | | *06/01/2023 15:24* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *74.8%* | | *60-140* | | | | | *06/01/2023 15:24* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *129%* | | *60-140* | | | | | *06/01/2023 15:24* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *113%* | | *60-140* | | | | | *06/01/2023 15:24* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *27.3%* | *S* | *60-140* | | | | | *06/01/2023 15:24* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0248 | J | mg/kg dry | 1 | 0.0186 | 0.231 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Arsenic | N | 14.0 | | mg/kg dry | 1 | 0.0285 | 0.116 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Beryllium | N | 0.0171 | J | mg/kg dry | 1 | 0.00231 | 0.0463 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Cadmium | N | 0.165 | J | mg/kg dry | 1 | 0.00731 | 0.231 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Chromium | N | 2.05 | V | mg/kg dry | 1 | 0.0170 | 0.694 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Copper | N | 21.7 | V | mg/kg dry | 1 | 0.0201 | 0.231 | BGE2507 | 06/07/2023 14:30 | TBB |
| SW-7471B | Mercury | A | <0.0333 | U | mg/kg dry | 1 | 0.0333 | 0.0666 | BGE3655 | 06/08/2023 16:18 | AKR |
| EPA 200.8 | Lead | N | 1.26 | | mg/kg dry | 1 | 0.0175 | 0.116 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Nickel | N | 1.62 | V | mg/kg dry | 1 | 0.00410 | 0.231 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Selenium | N | 1.79 | | mg/kg dry | 1 | 0.255 | 0.463 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Thallium | N | 0.00370 | J | mg/kg dry | 1 | 0.00160 | 0.116 | BGE2507 | 06/07/2023 14:30 | TBB |
| EPA 200.8 | Zinc | N | 59.3 | | mg/kg dry | 1 | 0.0869 | 0.463 | BGE2507 | 06/07/2023 14:30 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 15.0 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-REF-5 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-33RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <15.7 | U, B | ug/kg dry | 1 | 15.7 | 15.7 | BGE4145 | 06/10/2023 04:07 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <15.7 | U | ug/kg dry | 1 | 15.7 | 15.7 | BGE4145 | 06/10/2023 04:07 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 618 | V | ug/kg dry | 1 | 31.5 | 31.5 | BGE4145 | 06/10/2023 04:07 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *15.1%* | *S* | *60-140* | | | | | *06/10/2023 04:07* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *59.2%* | *S* | *60-140* | | | | | *06/10/2023 04:07* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *65.9%* | | *60-140* | | | | | *06/10/2023 04:07* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *110%* | | *60-140* | | | | | *06/10/2023 04:07* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *91.9%* | | *60-140* | | | | | *06/10/2023 04:07* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *36.2%* | *S* | *60-140* | | | | | *06/10/2023 04:07* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.0471 | J | mg/kg dry | 1 | 0.00257 | 0.181 | BGF0507 | 06/09/2023 17:08 | TBB |

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| | | |
|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-1
Lab Sample ID: 23E2848-34
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 170 | V | ug/kg dry | 1 | 19.2 | 19.2 | BGE4145 | 06/01/2023 15:59 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *23.8%* | *S* | *60-140* | | | | | *06/01/2023 15:59* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *65.0%* | | *60-140* | | | | | *06/01/2023 15:59* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *90.5%* | | *60-140* | | | | | *06/01/2023 15:59* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *96.6%* | | *60-140* | | | | | *06/01/2023 15:59* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *132%* | | *60-140* | | | | | *06/01/2023 15:59* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *10.5%* | *S* | *60-140* | | | | | *06/01/2023 15:59* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0195 | J | mg/kg dry | 1 | 0.0127 | 0.158 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Arsenic | N | 16.8 | | mg/kg dry | 10 | 0.195 | 0.792 | BGE2507 | 06/07/2023 14:50 | TBB |
| EPA 200.8 | Beryllium | N | 0.00475 | J | mg/kg dry | 1 | 0.00158 | 0.0317 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Cadmium | N | 0.195 | | mg/kg dry | 1 | 0.00500 | 0.158 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Chromium | N | 0.698 | V | mg/kg dry | 1 | 0.0116 | 0.475 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Copper | N | 15.0 | V | mg/kg dry | 1 | 0.0138 | 0.158 | BGE2507 | 06/07/2023 14:45 | TBB |
| SW-7471B | Mercury | A | <0.0367 | U | mg/kg dry | 1 | 0.0367 | 0.0734 | BGE3655 | 06/08/2023 16:21 | AKR |
| EPA 200.8 | Lead | N | 0.533 | | mg/kg dry | 1 | 0.0120 | 0.0792 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Nickel | N | 1.43 | V | mg/kg dry | 1 | 0.00280 | 0.158 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Selenium | N | 2.93 | | mg/kg dry | 1 | 0.174 | 0.317 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Thallium | N | 0.00238 | J | mg/kg dry | 1 | 0.00109 | 0.0792 | BGE2507 | 06/07/2023 14:45 | TBB |
| EPA 200.8 | Zinc | N | 359 | | mg/kg dry | 10 | 0.595 | 3.17 | BGE2507 | 06/07/2023 14:50 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 12.7 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

| | | | |
|---|---|---|---|
| Client Sample ID: | NV-CDP-PRETEST-1 | Sample Matrix: | Tissue |
| Lab Sample ID: | 23E2848-34RE1 | Date Collected: | 04/01/2023 13:00 |
| Sample Alias: | | Collected by: | Theran Gay |

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <38.4 | U, B | ug/kg dry | 2 | 38.4 | 38.4 | BGE4145 | 06/10/2023 04:42 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <38.4 | U | ug/kg dry | 2 | 38.4 | 38.4 | BGE4145 | 06/10/2023 04:42 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 616 | V | ug/kg dry | 2 | 76.9 | 76.9 | BGE4145 | 06/10/2023 04:42 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *28.9%* | *S* | *60-140* | | | | | *06/10/2023 04:42* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *68.5%* | | *60-140* | | | | | *06/10/2023 04:42* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *79.6%* | | *60-140* | | | | | *06/10/2023 04:42* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *111%* | | *60-140* | | | | | *06/10/2023 04:42* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *94.8%* | | *60-140* | | | | | *06/10/2023 04:42* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *11.9%* | *S* | *60-140* | | | | | *06/10/2023 04:42* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.185 | | mg/kg dry | 1 | 0.00112 | 0.0785 | BGF0507 | 06/09/2023 17:10 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-2
Lab Sample ID: 23E2848-35
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 103 | V | ug/kg dry | 1 | 18.8 | 18.8 | BGE4145 | 06/01/2023 16:33 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *16.1%* | *S* | *60-140* | | | | | *06/01/2023 16:33* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *58.8%* | *S* | *60-140* | | | | | *06/01/2023 16:33* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *70.2%* | | *60-140* | | | | | *06/01/2023 16:33* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *90.1%* | | *60-140* | | | | | *06/01/2023 16:33* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *112%* | | *60-140* | | | | | *06/01/2023 16:33* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *8.78%* | *S* | *60-140* | | | | | *06/01/2023 16:33* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0206 | J | mg/kg dry | 1 | 0.0122 | 0.151 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Arsenic | N | 14.1 | | mg/kg dry | 5 | 0.0931 | 0.378 | BGE2507 | 06/07/2023 14:55 | TBB |
| EPA 200.8 | Beryllium | N | 0.0133 | J | mg/kg dry | 1 | 0.00151 | 0.0303 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Cadmium | N | 0.159 | | mg/kg dry | 1 | 0.00478 | 0.151 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Chromium | N | 1.19 | V | mg/kg dry | 1 | 0.0111 | 0.454 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Copper | N | 11.2 | V | mg/kg dry | 1 | 0.0132 | 0.151 | BGE2507 | 06/07/2023 14:53 | TBB |
| SW-7471B | Mercury | A | <0.0360 | U | mg/kg dry | 1 | 0.0360 | 0.0721 | BGE3655 | 06/08/2023 16:25 | AKR |
| EPA 200.8 | Lead | N | 0.734 | | mg/kg dry | 1 | 0.0114 | 0.0757 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Nickel | N | 1.52 | V | mg/kg dry | 1 | 0.00268 | 0.151 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Selenium | N | 2.23 | | mg/kg dry | 1 | 0.166 | 0.303 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Thallium | N | 0.00409 | J | mg/kg dry | 1 | 0.00104 | 0.0757 | BGE2507 | 06/07/2023 14:53 | TBB |
| EPA 200.8 | Zinc | N | 149 | | mg/kg dry | 5 | 0.284 | 1.51 | BGE2507 | 06/07/2023 14:55 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.2 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-2
Lab Sample ID: 23E2848-35RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | <37.7 | U, B | ug/kg dry | 2 | 37.7 | 37.7 | BGE4145 | 06/10/2023 05:17 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <37.7 | U | ug/kg dry | 2 | 37.7 | 37.7 | BGE4145 | 06/10/2023 05:17 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 822 | V | ug/kg dry | 2 | 75.4 | 75.4 | BGE4145 | 06/10/2023 05:17 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *20.0%* | *S* | *60-140* | | | | | *06/10/2023 05:17* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *74.5%* | | *60-140* | | | | | *06/10/2023 05:17* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *52.5%* | *S* | *60-140* | | | | | *06/10/2023 05:17* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *106%* | | *60-140* | | | | | *06/10/2023 05:17* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *91.1%* | | *60-140* | | | | | *06/10/2023 05:17* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *11.7%* | *S* | *60-140* | | | | | *06/10/2023 05:17* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.191 | | mg/kg dry | 1 | 0.00106 | 0.0745 | BGF0507 | 06/09/2023 17:13 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-3
Lab Sample ID: 23E2848-36
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Di-n-butyl phthalate | A | 24.9 | V | ug/kg dry | 1 | 17.4 | 17.4 | BGE4145 | 06/01/2023 17:08 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr* | | *7.23%* | *S* | *60-140* | | | | | *06/01/2023 17:08* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr* | | *50.6%* | *S* | *60-140* | | | | | *06/01/2023 17:08* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr* | | *83.7%* | | *60-140* | | | | | *06/01/2023 17:08* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr* | | *102%* | | *60-140* | | | | | *06/01/2023 17:08* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr* | | *125%* | | *60-140* | | | | | *06/01/2023 17:08* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr* | | *26.0%* | *S* | *60-140* | | | | | *06/01/2023 17:08* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Antimony | N | 0.0199 | J | mg/kg dry | 1 | 0.0115 | 0.143 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Arsenic | N | 16.2 | | mg/kg dry | 5 | 0.0881 | 0.358 | BGE2507 | 06/07/2023 15:03 | TBB |
| EPA 200.8 | Beryllium | N | 0.0116 | J | mg/kg dry | 1 | 0.00143 | 0.0286 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Cadmium | N | 0.190 | | mg/kg dry | 1 | 0.00453 | 0.143 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Chromium | N | 1.00 | V | mg/kg dry | 1 | 0.0105 | 0.430 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Copper | N | 11.3 | V | mg/kg dry | 1 | 0.0125 | 0.143 | BGE2507 | 06/07/2023 15:00 | TBB |
| SW-7471B | Mercury | A | <0.0346 | U | mg/kg dry | 1 | 0.0346 | 0.0693 | BGE3655 | 06/08/2023 16:35 | AKR |
| EPA 200.8 | Lead | N | 0.817 | | mg/kg dry | 1 | 0.0108 | 0.0716 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Nickel | N | 1.33 | V | mg/kg dry | 1 | 0.00253 | 0.143 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Selenium | N | 2.56 | | mg/kg dry | 1 | 0.158 | 0.286 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Thallium | N | 0.00401 | J | mg/kg dry | 1 | 0.000988 | 0.0716 | BGE2507 | 06/07/2023 15:00 | TBB |
| EPA 200.8 | Zinc | N | 119 | | mg/kg dry | 5 | 0.269 | 1.43 | BGE2507 | 06/07/2023 15:03 | TBB |
| **General Chemistry** | | | | | | | | | | | |
| SM 2540 G | % Solids | A | 13.9 | V | % | 1 | 0.100 | 0.100 | BGE2233 | 05/15/2023 10:45 | BP |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Sample Results
**(Continued)**

Client Sample ID: NV-CDP-PRETEST-3
Lab Sample ID: 23E2848-36RE1
Sample Alias:

Sample Matrix: Tissue
Date Collected: 04/01/2023 13:00
Collected by: Theran Gay

| Method | Analyte | * | Result | Q | Units | DF | SDL | LRL | Batch | Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Semivolatile Organic Compounds by GCMS** | | | | | | | | | | | |
| SW-8270 | Bis(2-ethylhexyl )phthalate (Rerun) | A | 329 | V | ug/kg dry | 2 | 34.8 | 34.8 | BGE4145 | 06/10/2023 05:52 | KRB |
| SW-8270 | Di-n-octyl phthalate (Rerun) | A | <34.8 | U | ug/kg dry | 2 | 34.8 | 34.8 | BGE4145 | 06/10/2023 05:52 | KRB |
| SW-8270 | Phenol, Total (Rerun) | A | 647 | V | ug/kg dry | 2 | 69.7 | 69.7 | BGE4145 | 06/10/2023 05:52 | KRB |
| *SW-8270* | *Surrogate: 2,4,6-Tribromophenol-surr (Rerur* | | *11.0%* | *S* | *60-140* | | | | | *06/10/2023 05:52* | |
| *SW-8270* | *Surrogate: 2-Fluorobiphenyl-surr (Rerun)* | | *60.6%* | | *60-140* | | | | | *06/10/2023 05:52* | |
| *SW-8270* | *Surrogate: 2-Fluorophenol-surr (Rerun)* | | *57.7%* | *S* | *60-140* | | | | | *06/10/2023 05:52* | |
| *SW-8270* | *Surrogate: Nitrobenzene-d5-surr (Rerun)* | | *94.2%* | | *60-140* | | | | | *06/10/2023 05:52* | |
| *SW-8270* | *Surrogate: Phenol-d5-surr (Rerun)* | | *71.1%* | | *60-140* | | | | | *06/10/2023 05:52* | |
| *SW-8270* | *Surrogate: p-Terphenyl-d14-surr (Rerun)* | | *37.9%* | *S* | *60-140* | | | | | *06/10/2023 05:52* | |
| **Metals, Total** | | | | | | | | | | | |
| EPA 200.8 | Silver (Rerun) | N | 0.145 | | mg/kg dry | 1 | 0.00101 | 0.0713 | BGF0507 | 06/09/2023 17:15 | TBB |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Quality Control

### Semivolatile Organic Compounds by GCMS

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE4145 - SW-3570*** | | | | | | | | | | |
| **MB SV BT (BGE4145-BLK1)** | | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | | |
| Di-n-butyl phthalate | 3.59 | | 2.36 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *55.7* | *ug/kg wet* | *75.6* | | *73.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *62.4* | *ug/kg wet* | *75.6* | | *82.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *49.2* | *ug/kg wet* | *75.6* | | *65.1* | *60-140* | | |
| **Blank (BGE4145-BLK2)** | | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 8.93 | | 2.36 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *59.4* | *ug/kg wet* | *75.6* | | *78.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *78.2* | *ug/kg wet* | *75.6* | | *103* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *53.3* | *ug/kg wet* | *75.6* | | *70.5* | *60-140* | | |
| **BS SV BT/IDOC1 (BGE4145-BS1)** | | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | | |
| Di-n-butyl phthalate | 51.4 | | 2.48 | ug/kg wet | 79.2 | | 64.9 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *52.0* | *ug/kg wet* | *79.2* | | *65.7* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *54.9* | *ug/kg wet* | *79.2* | | *69.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *31.2* | *ug/kg wet* | *79.2* | | *39.4* | *60-140* | | |
| **BS SV BT/IDOC1 (BGE4145-BS2)** | | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 84.0 | | 2.48 | ug/kg wet | 79.2 | | 106 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *46.3* | *ug/kg wet* | *79.2* | | *58.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *68.3* | *ug/kg wet* | *79.2* | | *86.2* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *49.1* | *ug/kg wet* | *79.2* | | *62.0* | *60-140* | | |
| **BSD SV BT/IDOC2 (BGE4145-BSD1)** | | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | | |
| Di-n-butyl phthalate | 51.0 | | 2.43 | ug/kg wet | 77.8 | | 65.6 | 60-140 | 0.651 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *47.7* | *ug/kg wet* | *77.8* | | *61.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *48.6* | *ug/kg wet* | *77.8* | | *62.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *32.9* | *ug/kg wet* | *77.8* | | *42.2* | *60-140* | | |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE4145 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD SV BT/IDOC2 (BGE4145-BSD2)** | | | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 89.4 | | 2.43 | ug/kg wet | 77.8 | | 115 | 60-140 | 6.16 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *43.7* | *ug/kg wet* | *77.8* | | *56.2* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *67.7* | *ug/kg wet* | *77.8* | | *87.0* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *51.6* | *ug/kg wet* | *77.8* | | *66.3* | *60-140* | | |
| **MDL SV BT (BGE4145-MRL1)** | | | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | |
| Di-n-butyl phthalate | 4.81 | | 2.42 | ug/kg wet | 7.74 | | 62.2 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *48.4* | *ug/kg wet* | *77.4* | | *62.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *60.8* | *ug/kg wet* | *77.4* | | *78.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *34.9* | *ug/kg wet* | *77.4* | | *45.0* | *60-140* | | |
| **MRL Check (BGE4145-MRL2)** | | | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 13.8 | J1 | 2.42 | ug/kg wet | 7.74 | | 178 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *50.3* | *ug/kg wet* | *77.4* | | *65.0* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *68.3* | *ug/kg wet* | *77.4* | | *88.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *43.7* | *ug/kg wet* | *77.4* | | *56.5* | *60-140* | | |
| **23E2848-11 MS (BGE4145-MS1)** | | **Source: 23E2848-11** | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | |
| Di-n-butyl phthalate | 372 | J1 | 20.0 | ug/kg dry | 641 | 58.1 | 49.0 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *307* | *ug/kg dry* | *641* | | *47.9* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *497* | *ug/kg dry* | *641* | | *77.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *205* | *ug/kg dry* | *641* | | *32.0* | *60-140* | | |
| **Matrix Spike (BGE4145-MS2)** | | **Source: 23E2848-11RE1** | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | |
| Bis(2-ethylhexyl )phthalate | 525 | | 20.0 | ug/kg dry | 641 | 54.8 | 73.3 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *318* | *ug/kg dry* | *641* | | *49.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *655* | *ug/kg dry* | *641* | | *102* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *426* | *ug/kg dry* | *641* | | *66.4* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Quality Control
**(Continued)**

### Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE4145 - SW-3570 (Continued)*** | | | | | | | | | | |
| **23E2848-11 MSD (BGE4145-MSD1)** | **Source: 23E2848-11** | | | Prepared: 5/25/2023 Analyzed: 6/1/2023 | | | | | | |
| Di-n-butyl phthalate | 408 | J1 | 21.1 | ug/kg dry | 675 | 58.1 | 51.8 | 60-140 | 9.14 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | *S* | | *294* | *ug/kg dry* | *675* | | *43.5* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *527* | *ug/kg dry* | *675* | | *78.0* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | *S* | | *209* | *ug/kg dry* | *675* | | *30.9* | *60-140* | | |
| **Matrix Spike Dup (BGE4145-MSD2)** | **Source: 23E2848-11RE1** | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 599 | | 21.1 | ug/kg dry | 675 | 54.8 | 80.6 | 60-140 | 13.2 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | *S* | | *308* | *ug/kg dry* | *675* | | *45.6* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *630* | *ug/kg dry* | *675* | | *93.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *469* | *ug/kg dry* | *675* | | *69.4* | *60-140* | | |
| ***Batch: BGE4170 - SW-3570*** | | | | | | | | | | |
| **MB SV BT (BGE4170-BLK1)** | | | | Prepared: 5/25/2023 Analyzed: 6/4/2023 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 5.46 | | 2.45 | ug/kg wet | | | | | | |
| Di-n-butyl phthalate | 6.13 | | 2.45 | ug/kg wet | | | | | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *54.3* | *ug/kg wet* | *78.4* | | *69.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *50.8* | *ug/kg wet* | *78.4* | | *64.7* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | | *62.8* | *ug/kg wet* | *78.4* | | *80.1* | *60-140* | | |
| **BS SV BT (BGE4170-BS1)** | | | | Prepared: 5/25/2023 Analyzed: 6/4/2023 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 39.1 | J1 | 2.38 | ug/kg wet | 76.0 | | 51.4 | 60-140 | | |
| Di-n-butyl phthalate | 41.7 | J1 | 2.38 | ug/kg wet | 76.0 | | 54.9 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | *S* | | *35.6* | *ug/kg wet* | *76.0* | | *46.8* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | *S* | | *42.2* | *ug/kg wet* | *76.0* | | *55.5* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | *S* | | *30.6* | *ug/kg wet* | *76.0* | | *40.2* | *60-140* | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

# Quality Control
**(Continued)**

## Semivolatile Organic Compounds by GCMS (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE4170 - SW-3570 (Continued)*** | | | | | | | | | | |
| **BSD SV BT (BGE4170-BSD1)** | | | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 40.9 | J1 | 2.47 | ug/kg wet | 79.1 | | 51.7 | 60-140 | 4.43 | 40 |
| Di-n-butyl phthalate | 40.6 | J1 | 2.47 | ug/kg wet | 79.1 | | 51.3 | 60-140 | 2.79 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *43.7* | *ug/kg wet* | *79.1* | | *55.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | *S* | *46.1* | *ug/kg wet* | *79.1* | | *58.3* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *36.7* | *ug/kg wet* | *79.1* | | *46.5* | *60-140* | | |
| **MDL SV BT (BGE4170-MRL1)** | | | | Prepared: 5/25/2023 Analyzed: 6/4/2023 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 13.1 | J1 | 2.35 | ug/kg wet | 7.50 | | 174 | 50-150 | | |
| Di-n-butyl phthalate | 7.76 | | 2.35 | ug/kg wet | 7.50 | | 103 | 50-150 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | | *45.8* | *ug/kg wet* | *75.0* | | *61.0* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *51.0* | *ug/kg wet* | *75.0* | | *67.9* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *43.9* | *ug/kg wet* | *75.0* | | *58.5* | *60-140* | | |
| **23E284802 MS (BGE4170-MS1)** | | **Source: 23E2848-02** | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 276 | J1 | 23.7 | ug/kg dry | 757 | <23.7 | 36.4 | 60-140 | | |
| Di-n-butyl phthalate | 527 | J1 | 23.7 | ug/kg dry | 757 | 84.0 | 58.5 | 60-140 | | |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *388* | *ug/kg dry* | *757* | | *51.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *467* | *ug/kg dry* | *757* | | *61.6* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *319* | *ug/kg dry* | *757* | | *42.1* | *60-140* | | |
| **23E284802 MSD (BGE4170-MSD1)** | | **Source: 23E2848-02** | | Prepared: 5/25/2023 Analyzed: 6/5/2023 | | | | | | |
| Bis(2-ethylhexyl )phthalate | 356 | J1 | 23.5 | ug/kg dry | 753 | <23.5 | 47.3 | 60-140 | 25.4 | 40 |
| Di-n-butyl phthalate | 665 | | 23.5 | ug/kg dry | 753 | 84.0 | 77.2 | 60-140 | 23.2 | 40 |
| *Surrogate: 2-Fluorobiphenyl-surr* | | *S* | *424* | *ug/kg dry* | *753* | | *56.3* | *60-140* | | |
| *Surrogate: Nitrobenzene-d5-surr* | | | *478* | *ug/kg dry* | *753* | | *63.4* | *60-140* | | |
| *Surrogate: p-Terphenyl-d14-surr* | | *S* | *359* | *ug/kg dry* | *753* | | *47.7* | *60-140* | | |

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## Quality Control
**(Continued)**

### Metals, Total

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2506 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BGE2506-BLK1)** | | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | | |
| Antimony | <0.0996 | U | 0.0996 | mg/kg wet | | | | | | |
| Arsenic | <0.0498 | U | 0.0498 | mg/kg wet | | | | | | |
| Cadmium | <0.0996 | U | 0.0996 | mg/kg wet | | | | | | |
| Chromium | 0.0342 | J | 0.299 | mg/kg wet | | | | | | |
| Copper | 0.0292 | J | 0.0996 | mg/kg wet | | | | | | |
| Lead | 0.0103 | J | 0.0498 | mg/kg wet | | | | | | |
| Nickel | 0.0150 | J | 0.0996 | mg/kg wet | | | | | | |
| Selenium | <0.199 | U | 0.199 | mg/kg wet | | | | | | |
| Thallium | <0.0498 | U | 0.0498 | mg/kg wet | | | | | | |
| **Blank (BGE2506-BLK3)** | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | | |
| Zinc | 1.34 | | 0.199 | mg/kg wet | | | | | | |
| **Blank (BGE2506-BLK4)** | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | | |
| Beryllium | <0.0199 | U | 0.0199 | mg/kg wet | | | | | | |
| **LCS (BGE2506-BS1)** | | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | | |
| Antimony | 9.72 | | 0.0956 | mg/kg wet | 9.56 | | 102 | 85-115 | | |
| Arsenic | 4.85 | | 0.0478 | mg/kg wet | 4.78 | | 102 | 85-115 | | |
| Cadmium | 9.43 | | 0.0956 | mg/kg wet | 9.56 | | 98.6 | 85-115 | | |
| Chromium | 28.1 | | 0.287 | mg/kg wet | 28.7 | | 97.9 | 85-115 | | |
| Copper | 9.45 | | 0.0956 | mg/kg wet | 9.56 | | 98.9 | 85-115 | | |
| Lead | 4.94 | | 0.0478 | mg/kg wet | 4.78 | | 103 | 85-115 | | |
| Nickel | 9.31 | | 0.0956 | mg/kg wet | 9.56 | | 97.4 | 85-115 | | |
| Thallium | 4.83 | | 0.0478 | mg/kg wet | 4.78 | | 101 | 85-115 | | |
| **LCS (BGE2506-BS3)** | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | | |
| Zinc | 20.5 | | 0.191 | mg/kg wet | 19.1 | | 107 | 85-115 | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2506 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **LCS (BGE2506-BS4)** | | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Beryllium | 2.10 | | 0.0191 | mg/kg wet | 1.91 | | 110 | 85-115 | | |
| Selenium | 20.7 | | 0.191 | mg/kg wet | 19.1 | | 108 | 85-115 | | |
| **Duplicate (BGE2506-DUP1)** | | **Source: 23E2848-01** | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Antimony | <0.189 | U | 0.189 | mg/kg dry | | <0.189 | | | | 20 |
| Arsenic | 9.81 | | 0.0943 | mg/kg dry | | 10.4 | | | 5.51 | 20 |
| Cadmium | 0.376 | | 0.189 | mg/kg dry | | 0.385 | | | 2.24 | 20 |
| Chromium | 0.506 | J | 0.566 | mg/kg dry | | 0.455 | | | 10.5 | 20 |
| Copper | 11.0 | | 0.189 | mg/kg dry | | 10.9 | | | 0.865 | 20 |
| Lead | 0.241 | | 0.0943 | mg/kg dry | | 0.251 | | | 4.16 | 20 |
| Nickel | 3.24 | | 0.189 | mg/kg dry | | 3.25 | | | 0.201 | 20 |
| Selenium | 1.40 | | 0.377 | mg/kg dry | | 1.43 | | | 2.17 | 20 |
| Thallium | 0.00377 | J | 0.0943 | mg/kg dry | | 0.00341 | | | 10.1 | 20 |
| **Duplicate (BGE2506-DUP2)** | | **Source: 23E2848-11** | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Cadmium | 0.386 | | 0.179 | mg/kg dry | | 0.402 | | | 4.13 | 20 |
| Thallium | 0.00286 | J | 0.0893 | mg/kg dry | | 0.00304 | | | 6.06 | 20 |
| **Duplicate (BGE2506-DUP4)** | | **Source: 23E2848-11** | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Antimony | <0.179 | U | 0.179 | mg/kg dry | | <0.179 | | | | 20 |
| Arsenic | 10.5 | | 0.0893 | mg/kg dry | | 11.1 | | | 5.39 | 20 |
| Chromium | 0.327 | J | 0.536 | mg/kg dry | | 0.371 | | | 12.4 | 20 |
| Copper | 11.8 | | 0.179 | mg/kg dry | | 12.7 | | | 7.35 | 20 |
| Lead | 0.371 | | 0.0893 | mg/kg dry | | 0.414 | | | 10.9 | 20 |
| Nickel | 2.82 | | 0.179 | mg/kg dry | | 3.05 | | | 7.69 | 20 |
| **Duplicate (BGE2506-DUP5)** | | **Source: 23E2848-01** | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Zinc | 115 | | 3.77 | mg/kg dry | | 106 | | | 7.98 | 20 |

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|---|---|---|
| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2506 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BGE2506-DUP6)** | | **Source: 23E2848-11** | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | | |
| Beryllium | 0.0113 | J | 0.0357 | mg/kg dry | | 0.0107 | | | 4.88 | 20 |
| Selenium | 1.51 | | 0.357 | mg/kg dry | | 1.62 | | | 6.94 | 20 |
| **Duplicate (BGE2506-DUP7)** | | **Source: 23E2848-01** | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | | |
| Beryllium | 0.0140 | J | 0.0377 | mg/kg dry | | 0.0116 | | | 18.9 | 20 |
| Zinc | 108 | | 1.89 | mg/kg dry | | 106 | | | 1.82 | 20 |
| **MDL Check (BGE2506-MRL1)** | | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | | |
| Antimony | 0.0506 | J | 0.102 | mg/kg wet | 0.0509 | | 99.4 | | | |
| Arsenic | 0.00163 | J | 0.0509 | mg/kg wet | 0.00509 | | 32.0 | | | |
| Cadmium | 0.00570 | J | 0.102 | mg/kg wet | 0.00509 | | 112 | | | |
| Chromium | 0.0303 | J | 0.305 | mg/kg wet | 0.0153 | | 199 | | | |
| Copper | 0.0360 | J | 0.102 | mg/kg wet | 0.0102 | | 354 | | | |
| Lead | 0.00611 | J | 0.0509 | mg/kg wet | 0.00509 | | 120 | | | |
| Nickel | 0.0162 | J | 0.102 | mg/kg wet | 0.00509 | | 318 | | | |
| Selenium | 0.116 | J | 0.204 | mg/kg wet | 0.102 | | 114 | | | |
| Thallium | 0.00295 | J | 0.0509 | mg/kg wet | 0.00255 | | 116 | | | |
| **MDL Check (BGE2506-MRL3)** | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | | |
| Zinc | 0.184 | J | 0.204 | mg/kg wet | 0.102 | | 180 | | | |
| **MDL Check (BGE2506-MRL4)** | | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | | |
| Beryllium | 0.00132 | J | 0.0204 | mg/kg wet | 0.00102 | | 130 | | | |
| **Matrix Spike (BGE2506-MS1)** | | **Source: 23E2848-01** | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | | |
| Antimony | 18.3 | | 0.189 | mg/kg dry | 18.9 | <0.189 | 96.6 | 75-125 | | |
| Arsenic | 18.4 | | 0.473 | mg/kg dry | 9.47 | 10.4 | 84.6 | 75-125 | | |
| Cadmium | 18.6 | | 0.189 | mg/kg dry | 18.9 | 0.385 | 96.2 | 75-125 | | |
| Chromium | 56.1 | | 0.568 | mg/kg dry | 56.8 | 0.455 | 98.0 | 75-125 | | |
| Copper | 28.2 | | 0.189 | mg/kg dry | 18.9 | 10.9 | 91.6 | 75-125 | | |
| Lead | 9.60 | | 0.0947 | mg/kg dry | 9.47 | 0.251 | 98.8 | 75-125 | | |
| Nickel | 21.1 | | 0.189 | mg/kg dry | 18.9 | 3.25 | 94.4 | 75-125 | | |
| Thallium | 8.83 | | 0.0947 | mg/kg dry | 9.47 | 0.00341 | 93.2 | 75-125 | | |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2506 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGE2506-MS2)** | | **Source: 23E2848-11** | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Cadmium | 16.7 | | 0.179 | mg/kg dry | 17.9 | 0.402 | 91.1 | 75-125 | | |
| Thallium | 7.73 | | 0.0897 | mg/kg dry | 8.97 | 0.00304 | 86.2 | 75-125 | | |
| **Matrix Spike (BGE2506-MS4)** | | **Source: 23E2848-11** | | | Prepared: 5/16/2023 Analyzed: 6/2/2023 | | | | | |
| Antimony | 17.1 | | 0.179 | mg/kg dry | 17.9 | <0.179 | 95.3 | 75-125 | | |
| Arsenic | 17.2 | J1 | 0.448 | mg/kg dry | 8.97 | 11.1 | 68.3 | 75-125 | | |
| Chromium | 51.0 | | 0.538 | mg/kg dry | 53.8 | 0.371 | 94.0 | 75-125 | | |
| Copper | 27.3 | | 0.179 | mg/kg dry | 17.9 | 12.7 | 81.6 | 75-125 | | |
| Lead | 8.46 | | 0.0897 | mg/kg dry | 8.97 | 0.414 | 89.7 | 75-125 | | |
| Nickel | 19.1 | | 0.179 | mg/kg dry | 17.9 | 3.05 | 89.3 | 75-125 | | |
| **Matrix Spike (BGE2506-MS5)** | | **Source: 23E2848-01** | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Beryllium | 4.08 | | 0.0379 | mg/kg dry | 3.79 | 0.0116 | 107 | 75-125 | | |
| Selenium | 51.0 | J1 | 0.379 | mg/kg dry | 37.9 | 1.43 | 131 | 75-125 | | |
| Zinc | 157 | J1 | 1.89 | mg/kg dry | 37.9 | 106 | 133 | 75-125 | | |
| **Matrix Spike (BGE2506-MS6)** | | **Source: 23E2848-11** | | | Prepared: 5/16/2023 Analyzed: 6/8/2023 | | | | | |
| Beryllium | 3.63 | | 0.0359 | mg/kg dry | 3.59 | 0.0107 | 101 | 75-125 | | |
| Selenium | 48.1 | J1 | 0.359 | mg/kg dry | 35.9 | 1.62 | 130 | 75-125 | | |
| Zinc | 136 | | 1.79 | mg/kg dry | 35.9 | 103 | 92.2 | 75-125 | | |
| ***Batch: BGE2507 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BGE2507-BLK1)** | | | | | Prepared: 5/16/2023 Analyzed: 6/6/2023 | | | | | |
| Antimony | <0.101 | U | 0.101 | mg/kg wet | | | | | | |
| Arsenic | <0.0503 | U | 0.0503 | mg/kg wet | | | | | | |
| Cadmium | <0.101 | U | 0.101 | mg/kg wet | | | | | | |
| Chromium | 0.0140 | J | 0.302 | mg/kg wet | | | | | | |
| Copper | 0.0256 | J | 0.101 | mg/kg wet | | | | | | |
| Lead | <0.0503 | U | 0.0503 | mg/kg wet | | | | | | |
| Nickel | 0.00573 | J | 0.101 | mg/kg wet | | | | | | |
| Selenium | <0.201 | U | 0.201 | mg/kg wet | | | | | | |
| Thallium | <0.0503 | U | 0.0503 | mg/kg wet | | | | | | |
| Zinc | <0.201 | U | 0.201 | mg/kg wet | | | | | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2507 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Blank (BGE2507-BLK2)** | | | | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | |
| Beryllium | <0.0201 | U | 0.0201 | mg/kg wet | | | | | | |
| **LCS (BGE2507-BS1)** | | | | | Prepared: 5/16/2023 Analyzed: 6/6/2023 | | | | | |
| Antimony | 10.2 | | 0.0952 | mg/kg wet | 9.52 | | 107 | 85-115 | | |
| Arsenic | 4.87 | | 0.0476 | mg/kg wet | 4.76 | | 102 | 85-115 | | |
| Cadmium | 9.47 | | 0.0952 | mg/kg wet | 9.52 | | 99.4 | 85-115 | | |
| Chromium | 28.1 | | 0.286 | mg/kg wet | 28.6 | | 98.4 | 85-115 | | |
| Copper | 10.1 | | 0.0952 | mg/kg wet | 9.52 | | 106 | 85-115 | | |
| Lead | 4.77 | | 0.0476 | mg/kg wet | 4.76 | | 100 | 85-115 | | |
| Nickel | 9.33 | | 0.0952 | mg/kg wet | 9.52 | | 97.9 | 85-115 | | |
| Selenium | 19.7 | | 0.190 | mg/kg wet | 19.0 | | 103 | 85-115 | | |
| Thallium | 4.80 | | 0.0476 | mg/kg wet | 4.76 | | 101 | 85-115 | | |
| Zinc | 19.6 | | 0.190 | mg/kg wet | 19.0 | | 103 | 85-115 | | |
| **LCS (BGE2507-BS2)** | | | | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | |
| Beryllium | 2.19 | | 0.0190 | mg/kg wet | 1.90 | | 115 | 85-115 | | |
| **Duplicate (BGE2507-DUP1)** | | | **Source: 23E2848-20** | | Prepared: 5/16/2023 Analyzed: 6/6/2023 | | | | | |
| Antimony | 0.0168 | J | 0.144 | mg/kg dry | | 0.0170 | | | 1.29 | 20 |
| Arsenic | 14.6 | | 0.359 | mg/kg dry | | 14.8 | | | 1.19 | 20 |
| Cadmium | 0.208 | | 0.144 | mg/kg dry | | 0.216 | | | 3.66 | 20 |
| Chromium | 0.935 | | 0.431 | mg/kg dry | | 0.830 | | | 11.8 | 20 |
| Copper | 8.03 | | 0.144 | mg/kg dry | | 8.59 | | | 6.73 | 20 |
| Lead | 0.642 | | 0.0718 | mg/kg dry | | 0.674 | | | 4.82 | 20 |
| Nickel | 1.24 | | 0.144 | mg/kg dry | | 1.23 | | | 0.447 | 20 |
| Selenium | 2.14 | | 0.287 | mg/kg dry | | 2.15 | | | 0.227 | 20 |
| Thallium | 0.00258 | J | 0.0718 | mg/kg dry | | 0.00243 | | | 6.11 | 20 |
| Zinc | 172 | J1 | 1.44 | mg/kg dry | | 360 | | | 70.9 | 20 |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2507 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Duplicate (BGE2507-DUP2)** | | **Source: 23E2848-30** | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | | |
| Antimony | 0.0246 | J | 0.143 | mg/kg dry | | 0.0228 | | | 7.40 | 20 |
| Arsenic | 13.2 | | 0.715 | mg/kg dry | | 14.0 | | | 5.46 | 20 |
| Beryllium | 0.00415 | J | 0.0286 | mg/kg dry | | 0.00440 | | | 5.87 | 20 |
| Cadmium | 0.176 | | 0.143 | mg/kg dry | | 0.179 | | | 1.85 | 20 |
| Chromium | 1.08 | | 0.429 | mg/kg dry | | 1.08 | | | 0.0321 | 20 |
| Copper | 18.3 | | 0.143 | mg/kg dry | | 19.5 | | | 6.09 | 20 |
| Lead | 0.805 | | 0.0715 | mg/kg dry | | 0.882 | | | 9.11 | 20 |
| Nickel | 1.21 | | 0.143 | mg/kg dry | | 1.29 | | | 7.12 | 20 |
| Selenium | 2.05 | J1 | 0.286 | mg/kg dry | | 1.66 | | | 21.3 | 20 |
| Thallium | 0.00200 | J | 0.0715 | mg/kg dry | | 0.00199 | | | 0.797 | 20 |
| Zinc | 58.0 | J1 | 2.86 | mg/kg dry | | 177 | | | 101 | 20 |
| **Duplicate (BGE2507-DUP3)** | | **Source: 23E2848-20** | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | | |
| Beryllium | 0.00689 | J | 0.0287 | mg/kg dry | | 0.00658 | | | 4.66 | 20 |
| **MDL Check (BGE2507-MRL1)** | | | | Prepared: 5/16/2023 Analyzed: 6/6/2023 | | | | | | |
| Antimony | 0.0571 | J | 0.0990 | mg/kg wet | 0.0495 | | 115 | | | |
| Arsenic | <0.0495 | U | 0.0495 | mg/kg wet | 0.00495 | | | | | |
| Cadmium | 0.00634 | J | 0.0990 | mg/kg wet | 0.00495 | | 128 | | | |
| Chromium | 0.0550 | J | 0.297 | mg/kg wet | 0.0149 | | 370 | | | |
| Copper | 0.0366 | J | 0.0990 | mg/kg wet | 0.00990 | | 370 | | | |
| Lead | 0.00762 | J | 0.0495 | mg/kg wet | 0.00495 | | 154 | | | |
| Nickel | 0.0146 | J | 0.0990 | mg/kg wet | 0.00495 | | 294 | | | |
| Selenium | 0.102 | J | 0.198 | mg/kg wet | 0.0990 | | 103 | | | |
| Thallium | 0.00485 | J | 0.0495 | mg/kg wet | 0.00248 | | 196 | | | |
| Zinc | 0.128 | J | 0.198 | mg/kg wet | 0.0990 | | 129 | | | |
| **MDL Check (BGE2507-MRL2)** | | | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | | |
| Beryllium | 0.00158 | J | 0.0198 | mg/kg wet | 0.000990 | | 160 | | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2507 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **Matrix Spike (BGE2507-MS1)** | | **Source: 23E2848-20** | | Prepared: 5/16/2023 Analyzed: 6/6/2023 | | | | | | |
| Antimony | 15.4 | | 0.143 | mg/kg dry | 14.3 | 0.0170 | 107 | 75-125 | | |
| Arsenic | 22.2 | | 0.358 | mg/kg dry | 7.15 | 14.8 | 104 | 75-125 | | |
| Cadmium | 14.7 | | 0.143 | mg/kg dry | 14.3 | 0.216 | 101 | 75-125 | | |
| Chromium | 44.0 | | 0.429 | mg/kg dry | 42.9 | 0.830 | 101 | 75-125 | | |
| Copper | 21.5 | | 0.143 | mg/kg dry | 14.3 | 8.59 | 89.9 | 75-125 | | |
| Lead | 7.50 | | 0.0715 | mg/kg dry | 7.15 | 0.674 | 95.5 | 75-125 | | |
| Nickel | 15.0 | | 0.143 | mg/kg dry | 14.3 | 1.23 | 96.0 | 75-125 | | |
| Selenium | 39.1 | J1 | 0.286 | mg/kg dry | 28.6 | 2.15 | 129 | 75-125 | | |
| Thallium | 6.92 | | 0.0715 | mg/kg dry | 7.15 | 0.00243 | 96.7 | 75-125 | | |
| Zinc | 90.4 | J1 | 1.43 | mg/kg dry | 28.6 | 360 | NR | 75-125 | | |
| **Matrix Spike (BGE2507-MS2)** | | **Source: 23E2848-30** | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | | |
| Antimony | 15.1 | | 0.142 | mg/kg dry | 14.2 | 0.0228 | 106 | 75-125 | | |
| Arsenic | 20.7 | | 0.356 | mg/kg dry | 7.12 | 14.0 | 94.5 | 75-125 | | |
| Beryllium | 3.31 | | 0.0285 | mg/kg dry | 2.85 | 0.00440 | 116 | 75-125 | | |
| Cadmium | 15.3 | | 0.142 | mg/kg dry | 14.2 | 0.179 | 106 | 75-125 | | |
| Chromium | 48.3 | | 0.427 | mg/kg dry | 42.7 | 1.08 | 110 | 75-125 | | |
| Copper | 34.9 | | 0.712 | mg/kg dry | 14.2 | 19.5 | 108 | 75-125 | | |
| Lead | 8.04 | | 0.0712 | mg/kg dry | 7.12 | 0.882 | 101 | 75-125 | | |
| Nickel | 16.1 | | 0.142 | mg/kg dry | 14.2 | 1.29 | 104 | 75-125 | | |
| Selenium | 40.8 | J1 | 0.285 | mg/kg dry | 28.5 | 1.66 | 137 | 75-125 | | |
| Thallium | 7.12 | | 0.0712 | mg/kg dry | 7.12 | 0.00199 | 100 | 75-125 | | |
| Zinc | 197 | J1 | 1.42 | mg/kg dry | 28.5 | 177 | 70.5 | 75-125 | | |
| **Matrix Spike (BGE2507-MS3)** | | **Source: 23E2848-20** | | Prepared: 5/16/2023 Analyzed: 6/7/2023 | | | | | | |
| Beryllium | 3.31 | | 0.0286 | mg/kg dry | 2.86 | 0.00658 | 116 | 75-125 | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE3654 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BGE3654-MRL1)** | | | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Mercury | 0.0107 | J | 0.0196 | mg/kg wet | 0.00979 | | 109 | | | |
| **Matrix Spike (BGE3654-MS1)** | | **Source: 23E2848-12** | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Mercury | 1.14 | | 0.0922 | mg/kg dry | 1.15 | <0.0922 | 99.1 | 80-120 | | |
| **Matrix Spike (BGE3654-MS2)** | | **Source: 23E2848-13** | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Mercury | 1.13 | | 0.0904 | mg/kg dry | 1.13 | <0.0904 | 99.8 | 80-120 | | |
| **Matrix Spike Dup (BGE3654-MSD1)** | | **Source: 23E2848-12** | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Mercury | 1.09 | | 0.0878 | mg/kg dry | 1.10 | <0.0878 | 99.0 | 80-120 | 4.96 | 20 |
| **Matrix Spike Dup (BGE3654-MSD2)** | | **Source: 23E2848-13** | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Mercury | 1.15 | | 0.0926 | mg/kg dry | 1.16 | <0.0926 | 99.6 | 80-120 | 2.21 | 20 |
| ***Batch: BGE3655 - SW-7471*** | | | | | | | | | | |
| **MDL Check (BGE3655-MRL1)** | | | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Mercury | 0.00988 | J | 0.0200 | mg/kg wet | 0.00998 | | 99.0 | | | |
| **Matrix Spike (BGE3655-MS1)** | | **Source: 23E2848-22** | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Mercury | 0.923 | | 0.0735 | mg/kg dry | 0.919 | <0.0735 | 100 | 80-120 | | |
| **Matrix Spike (BGE3655-MS2)** | | **Source: 23E2848-23** | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Mercury | 0.824 | | 0.0674 | mg/kg dry | 0.843 | <0.0674 | 97.8 | 80-120 | | |
| **Matrix Spike Dup (BGE3655-MSD1)** | | **Source: 23E2848-22** | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Mercury | 0.966 | | 0.0747 | mg/kg dry | 0.934 | <0.0747 | 103 | 80-120 | 4.54 | 20 |

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| Terracon_Houston | Project: PCCA CDP TISSUE CHEM | |
| 11555 Clay Road | Project Number: | **Reported:** |
| Houston, TX 77043 | Project Manager: Gregg Pawlak | 06/16/2023 11:07 |

## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE3655 - SW-7471 (Continued)*** | | | | | | | | | | |
| **Matrix Spike Dup (BGE3655-MSD2)** | | **Source: 23E2848-23** | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Mercury | 0.899 | | 0.0725 | mg/kg dry | 0.906 | <0.0725 | 99.2 | 80-120 | 8.69 | 20 |
| ***Batch: BGF0506 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BGF0506-BLK1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | <0.0505 | U | 0.0505 | mg/kg wet | | | | | | |
| **LCS (BGF0506-BS1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 1.79 | J1 | 0.0467 | mg/kg wet | 4.67 | | 38.4 | 85-115 | | |
| **Duplicate (BGF0506-DUP1)** | | **Source: 23E2848-01RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.154 | | 0.0951 | mg/kg dry | | 0.158 | | | 2.92 | 20 |
| **Duplicate (BGF0506-DUP2)** | | **Source: 23E2848-11RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.135 | | 0.0889 | mg/kg dry | | 0.139 | | | 2.91 | 20 |
| **MDL Check (BGF0506-MRL1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.00216 | J | 0.0490 | mg/kg wet | 0.00245 | | 88.0 | | | |
| **Matrix Spike (BGF0506-MS1)** | | **Source: 23E2848-01RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 5.24 | J1 | 0.0943 | mg/kg dry | 9.43 | 0.158 | 53.9 | 75-125 | | |
| **Matrix Spike (BGF0506-MS2)** | | **Source: 23E2848-11RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 3.38 | J1 | 0.0872 | mg/kg dry | 8.72 | 0.139 | 37.2 | 75-125 | | |
| ***Batch: BGF0507 - EPA 200.3*** | | | | | | | | | | |
| **Blank (BGF0507-BLK1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | <0.0500 | U | 0.0500 | mg/kg wet | | | | | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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# Quality Control
**(Continued)**

## Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGF0507 - EPA 200.3 (Continued)*** | | | | | | | | | | |
| **LCS (BGF0507-BS1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 2.22 | J1 | 0.0505 | mg/kg wet | 5.05 | | 43.9 | 85-115 | | |
| **Duplicate (BGF0507-DUP1)** | | **Source: 23E2848-21RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.124 | | 0.0789 | mg/kg dry | | 0.109 | | | 13.4 | 20 |
| **Duplicate (BGF0507-DUP2)** | | **Source: 23E2848-32RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.138 | | 0.0934 | mg/kg dry | | 0.132 | | | 3.84 | 20 |
| **MDL Check (BGF0507-MRL1)** | | | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 0.00263 | J | 0.0505 | mg/kg wet | 0.00253 | | 104 | | | |
| **Matrix Spike (BGF0507-MS1)** | | **Source: 23E2848-21RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 6.69 | | 0.0820 | mg/kg dry | 8.20 | 0.109 | 80.3 | 75-125 | | |
| **Matrix Spike (BGF0507-MS2)** | | **Source: 23E2848-32RE1** | | | Prepared: 6/5/2023 Analyzed: 6/9/2023 | | | | | |
| Silver | 5.28 | J1 | 0.0930 | mg/kg dry | 9.30 | 0.132 | 55.3 | 75-125 | | |
| ***Batch: SGF0026 - BGE2506*** | | | | | | | | | | |
| **Interference Check A (SGF0026-IFA1)** | | | | | Prepared & Analyzed: 6/2/2023 | | | | | |
| Antimony | 0.149 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.126 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.384 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.42 | | | ug/L | | | | 70-130 | | |
| Copper | 0.164 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0720 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.595 | | | ug/L | | | | 70-130 | | |
| Selenium | 0.195 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.00800 | | | ug/L | | | | 70-130 | | |

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| 11555 Clay Road | Project Number: | **Reported:** |
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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SGF0026 - BGE2506 (Continued)*** | | | | | | | | | | |
| **Interference Check B (SGF0026-IFB1)** | | | | | Prepared & Analyzed: 6/2/2023 | | | | | |
| Antimony | 96.9 | | | ug/L | 100 | | 96.9 | 70-130 | | |
| Arsenic | 49.6 | | | ug/L | 50.0 | | 99.2 | 70-130 | | |
| Cadmium | 94.8 | | | ug/L | 100 | | 94.8 | 70-130 | | |
| Chromium | 287 | | | ug/L | 300 | | 95.8 | 70-130 | | |
| Copper | 89.9 | | | ug/L | 100 | | 89.9 | 70-130 | | |
| Lead | 45.5 | | | ug/L | 50.0 | | 91.0 | 70-130 | | |
| Nickel | 89.7 | | | ug/L | 100 | | 89.7 | 70-130 | | |
| Selenium | 198 | | | ug/L | 200 | | 99.1 | 70-130 | | |
| Thallium | 46.5 | | | ug/L | 50.0 | | 93.0 | 70-130 | | |
| ***Batch: SGF0034 - BGE2506*** | | | | | | | | | | |
| **Interference Check A (SGF0034-IFA1)** | | | | | Prepared & Analyzed: 6/2/2023 | | | | | |
| Antimony | 0.139 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.106 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.26 | | | ug/L | | | | 70-130 | | |
| Copper | 0.117 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0640 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.574 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0034-IFB1)** | | | | | Prepared & Analyzed: 6/2/2023 | | | | | |
| Antimony | 94.4 | | | ug/L | 100 | | 94.4 | 70-130 | | |
| Arsenic | 49.5 | | | ug/L | 50.0 | | 99.0 | 70-130 | | |
| Chromium | 287 | | | ug/L | 300 | | 95.6 | 70-130 | | |
| Copper | 86.8 | | | ug/L | 100 | | 86.8 | 70-130 | | |
| Lead | 46.6 | | | ug/L | 50.0 | | 93.1 | 70-130 | | |
| Nickel | 88.0 | | | ug/L | 100 | | 88.0 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SGF0074 - BGE2507*** | | | | | | | | | | |
| **Interference Check A (SGF0074-IFA1)** | | | | | Prepared & Analyzed: 6/6/2023 | | | | | |
| Antimony | 0.215 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.125 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.410 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.67 | | | ug/L | | | | 70-130 | | |
| Copper | 0.296 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0900 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.644 | | | ug/L | | | | 70-130 | | |
| Selenium | 0.186 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.0320 | | | ug/L | | | | 70-130 | | |
| Zinc | 0.144 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0074-IFB1)** | | | | | Prepared & Analyzed: 6/6/2023 | | | | | |
| Antimony | 104 | | | ug/L | 100 | | 104 | 70-130 | | |
| Arsenic | 52.0 | | | ug/L | 50.0 | | 104 | 70-130 | | |
| Cadmium | 99.9 | | | ug/L | 100 | | 99.9 | 70-130 | | |
| Chromium | 295 | | | ug/L | 300 | | 98.3 | 70-130 | | |
| Copper | 98.9 | | | ug/L | 100 | | 98.9 | 70-130 | | |
| Lead | 45.0 | | | ug/L | 50.0 | | 89.9 | 70-130 | | |
| Nickel | 92.5 | | | ug/L | 100 | | 92.5 | 70-130 | | |
| Selenium | 213 | | | ug/L | 200 | | 106 | 70-130 | | |
| Thallium | 48.2 | | | ug/L | 50.0 | | 96.4 | 70-130 | | |
| Zinc | 192 | | | ug/L | 200 | | 96.2 | 70-130 | | |
| ***Batch: SGF0091 - BGE2507*** | | | | | | | | | | |
| **Interference Check A (SGF0091-IFA1)** | | | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Antimony | 0.159 | | | ug/L | | | | 70-130 | | |
| Arsenic | 0.103 | | | ug/L | | | | 70-130 | | |
| Beryllium | 0.00200 | | | ug/L | | | | 70-130 | | |
| Cadmium | 0.367 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.29 | | | ug/L | | | | 70-130 | | |
| Copper | 0.144 | | | ug/L | | | | 70-130 | | |
| Lead | 0.0700 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.582 | | | ug/L | | | | 70-130 | | |
| Selenium | 0.249 | | | ug/L | | | | 70-130 | | |
| Thallium | 0.0160 | | | ug/L | | | | 70-130 | | |
| Zinc | 1.26 | | | ug/L | | | | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SGF0091 - BGE2507 (Continued)*** | | | | | | | | | | |
| **Interference Check B (SGF0091-IFB1)** | | | | | Prepared & Analyzed: 6/7/2023 | | | | | |
| Antimony | 103 | | | ug/L | 100 | | 103 | 70-130 | | |
| Arsenic | 52.0 | | | ug/L | 50.0 | | 104 | 70-130 | | |
| Beryllium | 18.5 | | | ug/L | 20.0 | | 92.6 | 70-130 | | |
| Cadmium | 98.9 | | | ug/L | 100 | | 98.9 | 70-130 | | |
| Chromium | 295 | | | ug/L | 300 | | 98.4 | 70-130 | | |
| Copper | 96.1 | | | ug/L | 100 | | 96.1 | 70-130 | | |
| Lead | 46.1 | | | ug/L | 50.0 | | 92.2 | 70-130 | | |
| Nickel | 93.3 | | | ug/L | 100 | | 93.3 | 70-130 | | |
| Selenium | 213 | | | ug/L | 200 | | 107 | 70-130 | | |
| Thallium | 46.8 | | | ug/L | 50.0 | | 93.5 | 70-130 | | |
| Zinc | 193 | | | ug/L | 200 | | 96.3 | 70-130 | | |
| ***Batch: SGF0122 - BGE2506*** | | | | | | | | | | |
| **Interference Check A (SGF0122-IFA1)** | | | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Arsenic | 0.0990 | | | ug/L | | | | 70-130 | | |
| Beryllium | 0.00800 | | | ug/L | | | | 70-130 | | |
| Chromium | 3.28 | | | ug/L | | | | 70-130 | | |
| Copper | 0.338 | | | ug/L | | | | 70-130 | | |
| Nickel | 0.573 | | | ug/L | | | | 70-130 | | |
| Selenium | 0.185 | | | ug/L | | | | 70-130 | | |
| Zinc | 0.665 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0122-IFB1)** | | | | | Prepared & Analyzed: 6/8/2023 | | | | | |
| Arsenic | 51.2 | | | ug/L | 50.0 | | 102 | 70-130 | | |
| Beryllium | 18.1 | | | ug/L | 20.0 | | 90.6 | 70-130 | | |
| Chromium | 286 | | | ug/L | 300 | | 95.3 | 70-130 | | |
| Copper | 92.8 | | | ug/L | 100 | | 92.8 | 70-130 | | |
| Nickel | 90.9 | | | ug/L | 100 | | 90.9 | 70-130 | | |
| Selenium | 208 | | | ug/L | 200 | | 104 | 70-130 | | |
| Zinc | 189 | | | ug/L | 200 | | 94.7 | 70-130 | | |

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## Quality Control
**(Continued)**

### Metals, Total (Continued)

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: SGF0142 - BGF0506*** | | | | | | | | | | |
| **Interference Check A (SGF0142-IFA1)** | | | | | Prepared & Analyzed: 6/9/2023 | | | | | |
| Silver | 0.00700 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0142-IFB1)** | | | | | Prepared & Analyzed: 6/9/2023 | | | | | |
| Silver | 45.6 | | | ug/L | 50.0 | | 91.3 | 70-130 | | |
| ***Batch: SGF0149 - BGF0506*** | | | | | | | | | | |
| **Interference Check A (SGF0149-IFA1)** | | | | | Prepared & Analyzed: 6/9/2023 | | | | | |
| Silver | 0.00800 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0149-IFB1)** | | | | | Prepared & Analyzed: 6/9/2023 | | | | | |
| Silver | 46.5 | | | ug/L | 50.0 | | 93.0 | 70-130 | | |
| ***Batch: SGF0246 - BGE2506*** | | | | | | | | | | |
| **Interference Check A (SGF0246-IFA1)** | | | | | Prepared & Analyzed: 6/15/2023 | | | | | |
| Arsenic | 0.0830 | | | ug/L | | | | 70-130 | | |
| **Interference Check B (SGF0246-IFB1)** | | | | | Prepared & Analyzed: 6/15/2023 | | | | | |
| Arsenic | 52.1 | | | ug/L | 50.0 | | 104 | 70-130 | | |

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## Quality Control
**(Continued)**

### General Chemistry

| Analyte | Result | Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Batch: BGE2233 - Percent Solids*** | | | | | | | | | | |
| **Blank (BGE2233-BLK1)** | | | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BGE2233-DUP1)** | | **Source: 23E2848-01** | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 10.4 | | 0.100 | % | | 10.6 | | | 1.47 | 10 |
| **Duplicate (BGE2233-DUP2)** | | **Source: 23E2848-36** | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 14.0 | | 0.100 | % | | 13.9 | | | 0.908 | 10 |
| **Reference (BGE2233-SRM1)** | | | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 0.369 | | 0.100 | % | 0.350 | | 105 | 78.9-118 | | |
| ***Batch: BGE2234 - Percent Solids*** | | | | | | | | | | |
| **Blank (BGE2234-BLK1)** | | | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | <0.100 | U | 0.100 | % | | | | | | |
| **Duplicate (BGE2234-DUP1)** | | **Source: 23E2848-03** | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 9.17 | | 0.100 | % | | 9.19 | | | 0.209 | 10 |
| **Duplicate (BGE2234-DUP2)** | | **Source: 23E2848-10** | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 9.70 | | 0.100 | % | | 9.80 | | | 1.07 | 10 |
| **Reference (BGE2234-SRM1)** | | | | | Prepared: 5/12/2023 Analyzed: 5/15/2023 | | | | | |
| % Solids | 0.377 | | 0.100 | % | 0.350 | | 108 | 78.9-118 | | |

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# Sample Condition Checklist

**Work Order: 23E2848**

| Check Points | |
|---|---|
| No | Custody Seals |
| Yes | Containers Intact |
| Yes | COC/Labels Agree |
| Yes | Received On Ice |
| Yes | Appropriate Containers |
| Yes | Appropriate Sample Volume |
| No | Coolers Intact |
| Yes | Samples Accepted |

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## Term and Qualifier Definitions

| Item | Definition |
|---|---|
| A | Detection limit elevated due to abundance of non-target analyte. |
| B | Analyte was found in the associated method blank. |
| J | Estimated value - The reported value is between the detection limit and reporting limit. |
| J1 | Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision. |
| S | The surrogate recovery was outside the established laboratory recovery limit. |
| U | Non-detected compound. |
| V | Analyte was detected in both sample and method blank. |
| RPD | Relative Percent Difference |
| %REC | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated |
| * | A = Accredited, N = Not Accredited or Accreditation not available |
| DF | Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content |
| MDL | Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B. |
| SDL | Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL. |
| MRL | Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard. |
| LRL | Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL. |

# CHAIN OF CUSTODY RECORD

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**23E2848**

| | | |
|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** | **Schedule Comments:** |

| Sample ID | Collection Point | Date/Time Begin | Date/Time Sampled | Sample Type | Container | Analysis/Preservation | Field Results |
|---|---|---|---|---|---|---|---|
| 23E2848-01 | MM-CDP-06-1 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-02 | MM-CDP-06-2 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

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**23E2848**

(Continued)

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:**<br>**Schedule Comments:** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-03 | MM-CDP-06-3 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20( <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-04 | MM-CDP-06-4 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20( <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |

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**23E2848**

(Continued)

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|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** | **Schedule Comments:** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-05 | MM-CDP-06-5 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.: <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-06 | MM-CDP-07-1 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.: <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX1001 4°C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|---|---|---|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** | | | | | | **Schedule Comments:** |
| 23E2848-07 | MM-CDP-07-2 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS 2 <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.8 <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 200 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-08 | MM-CDP-07-3 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS 2 <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.8 <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 200 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-09 | MM-CDP-07-4 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-10 | MM-CDP-07-5 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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**23E2848**

(Continued)

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-11 | MM-REF-1 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-12 | MM-REF-2 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-13 | MM-REF-3 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 4°C<br>TS-2540 G <-20°C | |
| 23E2848-14 | MM-REF-4 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 4°C<br>TS-2540 G <-20°C | |

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**23E2848**

(Continued)

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-15 | MM-REF-5 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-16 | MM-CDP-PRETEST-1 | | 4-1-23<br>1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-17 | MM-CDP-PRETEST-2 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-18 | MM-CDP-PRETEST-3 | | 4-1-23 1100 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-19 | NV-CDP-06-1 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20( <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-20 | NV-CDP-06-2 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20( <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |

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**23E2848**

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|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-21 | NV-CDP-06-3 | | 4-1-23 1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-22 | NV-CDP-06-4 | | 4-1-23 1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS ; <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ T104704238-23-39



**23E2848**

(Continued)

| | |
|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-23 | NV-CDP-06-5 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>TS-2540 G <-20°C | |
| 23E2848-24 | NV-CDP-07-1 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
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(936) 321-6060 - lab@nwdls.com

TCEQ T104704238-23-39



**23E2848**

(Continued)

| | |
|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-25 | NV-CDP-07-2 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-26 | NV-CDP-07-3 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ T104704238-23-39



**23E2848**

(Continued)

| | |
|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-27 | NV-CDP-07-4 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.: <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-28 | NV-CDP-07-5 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 20( <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.: <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

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TCEQ T104704238-23-39



**23E2848**

(Continued)

| | | |
|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** | **Schedule Comments:** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-29 | NV-REF-1 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX1001 4°C<br>TS-2540 G <-20°C | |
| 23E2848-30 | NV-REF-2 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX1001 4°C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
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(936) 321-6060 - lab@nwdls.com

TCEQ T104704238-23-39



**23E2848**

(Continued)

| | |
|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name**: PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-31 | NV-REF-3 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-32 | NV-REF-4 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 20( <-20°C<br>Beryllium KED ICPMS 2( <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200.( <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com

TCEQ T104704238-23-39



**23E2848**

(Continued)

| | |
|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** |

**Schedule Comments:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-33 | NV-REF-5 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-34 | NV-CDP-PRETEST-1 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

North Water District Laboratory Services
130 S. Trade Center Pkwy, Conroe Tx 77385
(936) 321-6060 - lab@nwdls.com
TCEQ T104704238-23-39



**23E2848**

(Continued)

| | | |
|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name** : PCCA CDP TISSUE CHEM<br>**Project Comments:** | **Schedule Comments:** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 23E2848-35 | NV-CDP-PRETEST-2 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |
| 23E2848-36 | NV-CDP-PRETEST-3 | | 4-1-23<br>1300 | T Composite | A Glass 250mL w/ Teflon-lined Lid | Antimony KED ICPMS 2 <-20°C<br>Arsenic KED ICPMS 200 <-20°C<br>Beryllium KED ICPMS 2 <-20°C<br>Cadmium KED ICPMS 2 <-20°C<br>Chromium KED ICPMS : <-20°C<br>Copper KED ICPMS 200 <-20°C<br>Hg-7471 <-20°C<br>Lead KED ICPMS 200.8 <-20°C<br>Nickel KED ICPMS 200. <-20°C<br>Selenium KED ICPMS 2 <-20°C<br>Silver KED ICPMS 200.8 <-20°C<br>Thallium KED ICPMS 20 <-20°C<br>Zinc KED ICPMS 200.8 <-20°C<br>SVOA-8270 <-20°C<br>TPH-1005 <-20°C<br>Sub_Organotins-TX10014 °C<br>TS-2540 G <-20°C | |

# CHAIN OF CUSTODY RECORD

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(936) 321-6060 - lab@nwdls.com
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**23E2848**

(Continued)

| | | |
|---|---|---|
| Terracon_Houston<br>Gregg Pawlak<br>11555 Clay Road<br>Houston, TX 77043<br>Phone: (713) 690-8989 | **Project Name :** PCCA CDP TISSUE CHEM<br>**Project Comments:** | **Schedule Comments:** |

| | | | | |
|---|---|---|---|---|
| **Field Remarks:** | | **Preservation: (Circle and Write ID)** H2SO4 HNO3 NaOH Other: | | |
| Sampler (Signature) | Relinquished By: (Signature) | Date/Time 5/10/23 15:00 | Received By: (Signature) | Date/Time |
| Print Name: Thermo Gray | Relinquished By: (Signature) | Date/Time | Received By: (Signature) | Date/Time |
| Affiliation: TDX Lab | Relinquished To Lab By: (Signature) | Date/Time | Received for Laboratory By: (Signature) | Date/Time 5/10/23 16:00 |

Custody Seal : Yes / No | COC Labels Agree: Yes / No | Appropriate Volume: Yes / No | Received on Ice: Yes / No | Temperature: °C

Container Intact : Yes / No | Appropriate Containers: Yes / No | Coolers Intact: Yes / No | Samples Accepted: Yes / No | Thermometer ID:

Anamar

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Monica Martin
North Water District Laboratory Services
8725 Fawn Trail
Conroe, Texas 77385

Generated 6/5/2023 10:58:58 AM

## JOB DESCRIPTION

General Project

## JOB NUMBER

860-49144-1

Eurofins Houston
4145 Greenbriar Dr
Stafford TX 77477

See page two for job notes and contact information.



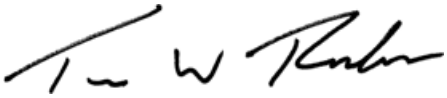
my EOL

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated
6/5/2023 10:58:58 AM

Authorized for release by
Travis Richter, Project Manager
Travis.Richter@et.eurofinsus.com
(281)794-7216

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## Qualifiers

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| *- | LCS and/or LCSD is outside acceptance limits, low biased. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| H | Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements. |
| H3 | Sample was received and analyzed past holding time. This does not meet regulatory requirements. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1- | Surrogate recovery exceeds control limits, low biased. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |
| U | Indicates the analyte was analyzed for but not detected. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| H | Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements. |
| H3 | Sample was received and analyzed past holding time. This does not meet regulatory requirements. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

## Job ID: 860-49144-1

### Laboratory: Eurofins Houston

**Narrative**

**Job Narrative**
**860-49144-1**

**Receipt**
The samples were received on 5/16/2023 10:36 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.6°C

**GC/MS Semi VOA**
Method Organotins_SIM: The following samples were prepared outside of preparation holding time due to : 23E2848-06 (860-49144-6), 23E2848-07 (860-49144-7), 23E2848-08 (860-49144-8), 23E2848-09 (860-49144-9), 23E2848-10 (860-49144-10), 23E2848-11 (860-49144-11), 23E2848-12 (860-49144-12), 23E2848-12 (860-49144-12[MS]), 23E2848-13 (860-49144-13), 23E2848-14 (860-49144-14), 23E2848-15 (860-49144-15), 23E2848-16 (860-49144-16), 23E2848-17 (860-49144-17), 23E2848-18 (860-49144-18), 23E2848-24 (860-49144-24), 23E2848-25 (860-49144-25), 23E2848-26 (860-49144-26), 23E2848-27 (860-49144-27), 23E2848-28 (860-49144-28), 23E2848-29 (860-49144-29) and 23E2848-30 (860-49144-30).

Method Organotins_SIM: Surrogate recovery for the following samples were outside the upper control limit: 23E2848-07 (860-49144-7), 23E2848-08 (860-49144-8), 23E2848-09 (860-49144-9) and 23E2848-16 (860-49144-16). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method Organotins_SIM: Surrogate recovery for the following samples were outside control limits: 23E2848-27 (860-49144-27), 23E2848-28 (860-49144-28), 23E2848-29 (860-49144-29) and 23E2848-30 (860-49144-30). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method Organotins_SIM: The following samples were prepared outside of preparation holding time: 23E2848-31 (860-49144-31), 23E2848-32 (860-49144-32), 23E2848-33 (860-49144-33), 23E2848-34 (860-49144-34), 23E2848-35 (860-49144-35) and 23E2848-36 (860-49144-36).

Method Organotins_SIM: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 570-330477 and analytical batch 570-333269 recovered outside control limits for the following analyte(s): Monobutyltin. Monobutyltin has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method Organotins_SIM: Surrogate recovery for the following sample was outside the upper control limit: 23E2848-31 (860-49144-31). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method Organotins_SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-330405 and analytical batch 570-332399 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method Organotins_SIM: Surrogate recovery for the following samples were outside the upper control limit: 23E2848-11 (860-49144-11), 23E2848-17 (860-49144-17) and 23E2848-18 (860-49144-18). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**GC Semi VOA**
Method TX_1005: Sample <8g23E2848-02 (860-49144-2), 23E2848-03 (860-49144-3), 23E2848-04 (860-49144-4), 23E2848-05 (860-49144-5), 23E2848-06 (860-49144-6), 23E2848-07 (860-49144-7), 23E2848-08 (860-49144-8), 23E2848-10 (860-49144-10), 23E2848-13 (860-49144-13), 23E2848-14 (860-49144-14), 23E2848-15 (860-49144-15) and 23E2848-19 (860-49144-19)

Method TX_1005: Sample >10g23E2848-09 (860-49144-9), 23E2848-11 (860-49144-11), 23E2848-16 (860-49144-16), 23E2848-17 (860-49144-17) and 23E2848-18 (860-49144-18)

Method TX_1005: The following samples were received outside of holding time: 23E2848-02 (860-49144-2), 23E2848-03 (860-49144-3),

## Job ID: 860-49144-1 (Continued)

### Laboratory: Eurofins Houston (Continued)

23E2848-04 (860-49144-4), 23E2848-05 (860-49144-5), 23E2848-06 (860-49144-6), 23E2848-07 (860-49144-7), 23E2848-08 (860-49144-8) and 23E2848-09 (860-49144-9).

Method TX_1005: Sample <8g23E2848-01 (860-49144-1), 23E2848-01 (860-49144-1[MS]), 23E2848-01 (860-49144-1[MSD]), 23E2848-20 (860-49144-20), 23E2848-21 (860-49144-21), 23E2848-22 (860-49144-22), 23E2848-23 (860-49144-23), 23E2848-24 (860-49144-24), 23E2848-26 (860-49144-26), 23E2848-27 (860-49144-27), 23E2848-29 (860-49144-29), 23E2848-30 (860-49144-30), 23E2848-31 (860-49144-31), 23E2848-32 (860-49144-32) and 23E2848-33 (860-49144-33)

Method TX_1005: Sample >10g23E2848-25 (860-49144-25), 23E2848-28 (860-49144-28), 23E2848-34 (860-49144-34), 23E2848-35 (860-49144-35) and 23E2848-36 (860-49144-36)

Method TX_1005: The following samples were received outside of holding time: 23E2848-01 (860-49144-1), 23E2848-20 (860-49144-20), 23E2848-21 (860-49144-21), 23E2848-22 (860-49144-22), 23E2848-23 (860-49144-23), 23E2848-24 (860-49144-24), 23E2848-25 (860-49144-25), 23E2848-26 (860-49144-26), 23E2848-27 (860-49144-27), 23E2848-28 (860-49144-28), 23E2848-29 (860-49144-29), 23E2848-30 (860-49144-30), 23E2848-31 (860-49144-31), 23E2848-32 (860-49144-32), 23E2848-33 (860-49144-33), 23E2848-34 (860-49144-34), 23E2848-35 (860-49144-35), 23E2848-36 (860-49144-36), (860-49141-A-42-A), (860-49141-A-42-B MS) and (860-49141-A-42-C MSD).

Method TX_1005: The following samples were received outside of holding time: 23E2848-10 (860-49144-10), 23E2848-11 (860-49144-11), 23E2848-13 (860-49144-13), 23E2848-14 (860-49144-14), 23E2848-15 (860-49144-15), 23E2848-16 (860-49144-16), 23E2848-17 (860-49144-17), 23E2848-18 (860-49144-18) and 23E2848-19 (860-49144-19).

Method TX_1005: Sample <8g23E2848-12 (860-49144-12) and 23E2848-12 (860-49144-12[MSD])

Method TX_1005: Sample >10g23E2848-12 (860-49144-12[MS])

Method TX_1005: The following samples were received outside of holding time: 23E2848-01 (860-49144-1), 23E2848-01 (860-49144-1[MS]), 23E2848-01 (860-49144-1[MSD]), 23E2848-12 (860-49144-12), 23E2848-12 (860-49144-12[MS]), 23E2848-12 (860-49144-12[MSD]), 23E2848-24 (860-49144-24), 23E2848-26 (860-49144-26), 23E2848-27 (860-49144-27) and 23E2848-28 (860-49144-28).

Method TX_1005: The following samples were received outside of holding time: 23E2848-20 (860-49144-20), 23E2848-21 (860-49144-21), 23E2848-22 (860-49144-22), 23E2848-23 (860-49144-23), 23E2848-25 (860-49144-25), 23E2848-29 (860-49144-29), 23E2848-30 (860-49144-30), 23E2848-31 (860-49144-31), 23E2848-32 (860-49144-32), 23E2848-34 (860-49144-34), 23E2848-35 (860-49144-35) and 23E2848-36 (860-49144-36).

Method TX_1005: The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 860-104923 and analytical batch 860-104842 was outside the 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated %RPD values were obtained.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## Client Sample ID: 23E2848-01 — Lab Sample ID: 860-49144-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 533 | H F1 H3 | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 63.5 | J H H3 | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 597 | | 98.0 | 41.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-02 — Lab Sample ID: 860-49144-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 43.8 | J H H3 | 98.6 | 41.6 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 43.8 | J | 98.6 | 41.6 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-03 — Lab Sample ID: 860-49144-3

No Detections.

## Client Sample ID: 23E2848-04 — Lab Sample ID: 860-49144-4

No Detections.

## Client Sample ID: 23E2848-05 — Lab Sample ID: 860-49144-5

No Detections.

## Client Sample ID: 23E2848-06 — Lab Sample ID: 860-49144-6

No Detections.

## Client Sample ID: 23E2848-07 — Lab Sample ID: 860-49144-7

No Detections.

## Client Sample ID: 23E2848-08 — Lab Sample ID: 860-49144-8

No Detections.

## Client Sample ID: 23E2848-09 — Lab Sample ID: 860-49144-9

No Detections.

## Client Sample ID: 23E2848-10 — Lab Sample ID: 860-49144-10

No Detections.

## Client Sample ID: 23E2848-11 — Lab Sample ID: 860-49144-11

No Detections.

## Client Sample ID: 23E2848-12 — Lab Sample ID: 860-49144-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 47.2 | J H F2 H3 | 98.8 | 41.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 47.2 | J | 98.8 | 41.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-13 — Lab Sample ID: 860-49144-13

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Houston

# Detection Summary

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## Client Sample ID: 23E2848-14 — Lab Sample ID: 860-49144-14

No Detections.

## Client Sample ID: 23E2848-15 — Lab Sample ID: 860-49144-15

No Detections.

## Client Sample ID: 23E2848-16 — Lab Sample ID: 860-49144-16

No Detections.

## Client Sample ID: 23E2848-17 — Lab Sample ID: 860-49144-17

No Detections.

## Client Sample ID: 23E2848-18 — Lab Sample ID: 860-49144-18

No Detections.

## Client Sample ID: 23E2848-19 — Lab Sample ID: 860-49144-19

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 81.6 | J H H3 | 91.2 | 38.5 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 81.6 | J | 91.2 | 38.5 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-20 — Lab Sample ID: 860-49144-20

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 2180 | H H3 | 91.7 | 38.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 527 | H H3 | 91.7 | 38.7 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 2710 | | 91.7 | 38.7 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-21 — Lab Sample ID: 860-49144-21

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 2390 | H H3 | 97.5 | 41.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 646 | H H3 | 97.5 | 41.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 3040 | | 97.5 | 41.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-22 — Lab Sample ID: 860-49144-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 2170 | H H3 | 97.1 | 41.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 522 | H H3 | 97.1 | 41.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 2690 | | 97.1 | 41.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-23 — Lab Sample ID: 860-49144-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 2210 | H H3 | 95.6 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 486 | H H3 | 95.6 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 2700 | | 95.6 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: North Water District Laboratory Services
Project/Site: General Project

Job ID: 860-49144-1

## Client Sample ID: 23E2848-24 — Lab Sample ID: 860-49144-24

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | 1.98 | J | 2.94 | 1.25 | ug/Kg | 1 | | Organotins SIM | Total/NA |
| >C12-C28 Range Hydrocarbons | 466 | H H3 | 97.3 | 41.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 111 | H H3 | 97.3 | 41.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 577 | | 97.3 | 41.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-25 — Lab Sample ID: 860-49144-25

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 44.2 | H H3 | 24.7 | 10.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 16.6 | J H H3 | 24.7 | 10.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 60.8 | | 24.7 | 10.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-26 — Lab Sample ID: 860-49144-26

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 281 | H H3 | 99.8 | 42.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 106 | H H3 | 99.8 | 42.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 387 | | 99.8 | 42.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-27 — Lab Sample ID: 860-49144-27

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 400 | H H3 | 97.1 | 41.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 78.9 | J H H3 | 97.1 | 41.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 479 | | 97.1 | 41.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-28 — Lab Sample ID: 860-49144-28

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 35.6 | H H3 | 24.7 | 10.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 35.6 | | 24.7 | 10.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-29 — Lab Sample ID: 860-49144-29

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 2680 | H H3 | 92.4 | 39.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 381 | H H3 | 92.4 | 39.0 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 3060 | | 92.4 | 39.0 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-30 — Lab Sample ID: 860-49144-30

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 2170 | H H3 | 95.6 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 297 | H H3 | 95.6 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 2470 | | 95.6 | 40.3 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

# Detection Summary

Client: North Water District Laboratory Services
Project/Site: General Project

Job ID: 860-49144-1

## Client Sample ID: 23E2848-31 — Lab Sample ID: 860-49144-31

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 2660 | H H3 | 92.6 | 39.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 393 | H H3 | 92.6 | 39.1 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 3050 | | 92.6 | 39.1 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-32 — Lab Sample ID: 860-49144-32

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 1740 | H H3 | 95.2 | 40.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 219 | H H3 | 95.2 | 40.2 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 1960 | | 95.2 | 40.2 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-33 — Lab Sample ID: 860-49144-33

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 1990 | H H3 | 97.8 | 41.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 298 | H H3 | 97.8 | 41.3 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 2290 | | 97.8 | 41.3 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-34 — Lab Sample ID: 860-49144-34

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 394 | H H3 | 25.0 | 10.5 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 54.9 | H H3 | 25.0 | 10.5 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 449 | | 25.0 | 10.5 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-35 — Lab Sample ID: 860-49144-35

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 97.5 | H H3 | 24.7 | 10.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 28.2 | H H3 | 24.7 | 10.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 126 | | 24.7 | 10.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

## Client Sample ID: 23E2848-36 — Lab Sample ID: 860-49144-36

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | 50.3 | H H3 | 24.7 | 10.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| >C28-C35 Range Hydrocarbons | 17.9 | J H H3 | 24.7 | 10.4 | mg/Kg | 1 | | TX 1005 | Total/NA |
| Total Petroleum Hydrocarbons (C6-C35) | 68.2 | | 24.7 | 10.4 | mg/Kg | 1 | | TX 1005 | Total/NA |

This Detection Summary does not include radiochemical test results.

## Client Sample ID: 23E2848-01
**Lab Sample ID: 860-49144-1**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.4 | U H H3 | 98.0 | 41.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:10 | 1 |
| **>C12-C28 Range Hydrocarbons** | **533** | **H F1 H3** | 98.0 | 41.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:10 | 1 |
| **>C28-C35 Range Hydrocarbons** | **63.5** | **J H H3** | 98.0 | 41.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:10 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **597** | | 98.0 | 41.4 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *112* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 14:10* | *1* |
| *o-Terphenyl (Surr)* | *108* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 14:10* | *1* |

## Client Sample ID: 23E2848-02
**Lab Sample ID: 860-49144-2**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.6 | U H H3 | 98.6 | 41.6 | mg/Kg | | 05/23/23 15:00 | 05/24/23 01:05 | 1 |
| **>C12-C28 Range Hydrocarbons** | **43.8** | **J H H3** | 98.6 | 41.6 | mg/Kg | | 05/23/23 15:00 | 05/24/23 01:05 | 1 |
| >C28-C35 Range Hydrocarbons | <41.6 | U H H3 | 98.6 | 41.6 | mg/Kg | | 05/23/23 15:00 | 05/24/23 01:05 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **43.8** | **J** | 98.6 | 41.6 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *94* | | *70 - 130* | *05/23/23 15:00* | *05/24/23 01:05* | *1* |
| *o-Terphenyl (Surr)* | *97* | | *70 - 130* | *05/23/23 15:00* | *05/24/23 01:05* | *1* |

## Client Sample ID: 23E2848-03
**Lab Sample ID: 860-49144-3**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 05/23/23 15:00 | 05/24/23 01:24 | 1 |
| >C12-C28 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 05/23/23 15:00 | 05/24/23 01:24 | 1 |
| >C28-C35 Range Hydrocarbons | <41.2 | U H H3 | 97.7 | 41.2 | mg/Kg | | 05/23/23 15:00 | 05/24/23 01:24 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.2 | U | 97.7 | 41.2 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *88* | | *70 - 130* | *05/23/23 15:00* | *05/24/23 01:24* | *1* |
| *o-Terphenyl (Surr)* | *93* | | *70 - 130* | *05/23/23 15:00* | *05/24/23 01:24* | *1* |

## Client Sample ID: 23E2848-04
**Lab Sample ID: 860-49144-4**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.0 | U H H3 | 92.4 | 39.0 | mg/Kg | | 05/23/23 15:00 | 05/24/23 01:44 | 1 |
| >C12-C28 Range Hydrocarbons | <39.0 | U H H3 | 92.4 | 39.0 | mg/Kg | | 05/23/23 15:00 | 05/24/23 01:44 | 1 |
| >C28-C35 Range Hydrocarbons | <39.0 | U H H3 | 92.4 | 39.0 | mg/Kg | | 05/23/23 15:00 | 05/24/23 01:44 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <39.0 | U | 92.4 | 39.0 | mg/Kg | | | 05/24/23 10:12 | 1 |

## Client Sample ID: 23E2848-04
**Lab Sample ID: 860-49144-4**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *87* | | *70 - 130* | *05/23/23 15:00* | *05/24/23 01:44* | *1* |
| *o-Terphenyl (Surr)* | *90* | | *70 - 130* | *05/23/23 15:00* | *05/24/23 01:44* | *1* |

## Client Sample ID: 23E2848-05
**Lab Sample ID: 860-49144-5**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.1 | U H H3 | 92.8 | 39.1 | mg/Kg | | 05/23/23 15:00 | 05/24/23 02:23 | 1 |
| >C12-C28 Range Hydrocarbons | <39.1 | U H H3 | 92.8 | 39.1 | mg/Kg | | 05/23/23 15:00 | 05/24/23 02:23 | 1 |
| >C28-C35 Range Hydrocarbons | <39.1 | U H H3 | 92.8 | 39.1 | mg/Kg | | 05/23/23 15:00 | 05/24/23 02:23 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <39.1 | U | 92.8 | 39.1 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *83* | | *70 - 130* | *05/23/23 15:00* | *05/24/23 02:23* | *1* |
| *o-Terphenyl (Surr)* | *86* | | *70 - 130* | *05/23/23 15:00* | *05/24/23 02:23* | *1* |

## Client Sample ID: 23E2848-06
**Lab Sample ID: 860-49144-6**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.62 | U H H3 | 3.00 | 1.62 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:12 | 1 |
| Tributyltin | <1.39 | U H H3 | 3.00 | 1.39 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:12 | 1 |
| Dibutyltin | <1.27 | U H H3 | 3.00 | 1.27 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:12 | 1 |
| Monobutyltin | <0.536 | U H H3 | 3.00 | 0.536 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *105* | | *39 - 150* | *05/19/23 11:07* | *05/26/23 12:12* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.1 | U H H3 | 97.5 | 41.1 | mg/Kg | | 05/23/23 15:01 | 05/24/23 02:43 | 1 |
| >C12-C28 Range Hydrocarbons | <41.1 | U H H3 | 97.5 | 41.1 | mg/Kg | | 05/23/23 15:01 | 05/24/23 02:43 | 1 |
| >C28-C35 Range Hydrocarbons | <41.1 | U H H3 | 97.5 | 41.1 | mg/Kg | | 05/23/23 15:01 | 05/24/23 02:43 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.1 | U | 97.5 | 41.1 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *85* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 02:43* | *1* |
| *o-Terphenyl (Surr)* | *89* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 02:43* | *1* |

## Client Sample ID: 23E2848-07
**Lab Sample ID: 860-49144-7**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.62 | U H H3 | 3.00 | 1.62 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:30 | 1 |
| Tributyltin | <1.39 | U H H3 | 3.00 | 1.39 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:30 | 1 |

## Client Sample ID: 23E2848-07
**Lab Sample ID: 860-49144-7**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <1.27 | U H H3 | 3.00 | 1.27 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:30 | 1 |
| Monobutyltin | <0.536 | U H H3 | 3.00 | 0.536 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *168* | *S1+* | *39 - 150* | *05/19/23 11:07* | *05/26/23 12:30* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:02 | 1 |
| >C12-C28 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:02 | 1 |
| >C28-C35 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:02 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.5 | U | 98.4 | 41.5 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *83* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:02* | *1* |
| *o-Terphenyl (Surr)* | *85* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:02* | *1* |

## Client Sample ID: 23E2848-08
**Lab Sample ID: 860-49144-8**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.62 | U H H3 | 3.00 | 1.62 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:49 | 1 |
| Tributyltin | <1.39 | U H H3 | 3.00 | 1.39 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:49 | 1 |
| Dibutyltin | <1.27 | U H H3 | 3.00 | 1.27 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:49 | 1 |
| Monobutyltin | <0.536 | U H H3 | 3.00 | 0.536 | ug/Kg | | 05/19/23 11:07 | 05/26/23 12:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *169* | *S1+* | *39 - 150* | *05/19/23 11:07* | *05/26/23 12:49* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <37.2 | U H H3 | 88.2 | 37.2 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:22 | 1 |
| >C12-C28 Range Hydrocarbons | <37.2 | U H H3 | 88.2 | 37.2 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:22 | 1 |
| >C28-C35 Range Hydrocarbons | <37.2 | U H H3 | 88.2 | 37.2 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:22 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <37.2 | U | 88.2 | 37.2 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *83* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:22* | *1* |
| *o-Terphenyl (Surr)* | *86* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:22* | *1* |

## Client Sample ID: 23E2848-09
**Lab Sample ID: 860-49144-9**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <3.24 | U H H3 | 6.00 | 3.24 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:07 | 1 |
| Tributyltin | <2.78 | U H H3 | 6.00 | 2.78 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:07 | 1 |

## Client Sample ID: 23E2848-09
**Lab Sample ID: 860-49144-9**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <2.54 | U H H3 | 6.00 | 2.54 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:07 | 1 |
| Monobutyltin | <1.07 | U H H3 | 6.00 | 1.07 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:07 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *225* | *S1+* | *39 - 150* | *05/19/23 11:07* | *05/26/23 13:07* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <10.4 | U H H3 | 24.7 | 10.4 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:41 | 1 |
| >C12-C28 Range Hydrocarbons | <10.4 | U H H3 | 24.7 | 10.4 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:41 | 1 |
| >C28-C35 Range Hydrocarbons | <10.4 | U H H3 | 24.7 | 10.4 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:41 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <10.4 | U | 24.7 | 10.4 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *93* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:41* | *1* |
| *o-Terphenyl (Surr)* | *98* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:41* | *1* |

## Client Sample ID: 23E2848-10
**Lab Sample ID: 860-49144-10**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.59 | U H H3 | 2.94 | 1.59 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:26 | 1 |
| Tributyltin | <1.36 | U H H3 | 2.94 | 1.36 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:26 | 1 |
| Dibutyltin | <1.25 | U H H3 | 2.94 | 1.25 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:26 | 1 |
| Monobutyltin | <0.525 | U H H3 | 2.94 | 0.525 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *121* | | *39 - 150* | *05/19/23 11:07* | *05/26/23 13:26* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 04:20 | 1 |
| >C12-C28 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 04:20 | 1 |
| >C28-C35 Range Hydrocarbons | <41.5 | U H H3 | 98.4 | 41.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 04:20 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.5 | U | 98.4 | 41.5 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *87* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 04:20* | *1* |
| *o-Terphenyl (Surr)* | *91* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 04:20* | *1* |

## Client Sample ID: 23E2848-11
**Lab Sample ID: 860-49144-11**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <3.17 | U H H3 | 5.88 | 3.17 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:44 | 1 |
| Tributyltin | <2.73 | U H H3 | 5.88 | 2.73 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:44 | 1 |

## Client Sample ID: 23E2848-11
**Lab Sample ID: 860-49144-11**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <2.49 | U H H3 | 5.88 | 2.49 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:44 | 1 |
| Monobutyltin | <1.05 | U H H3 | 5.88 | 1.05 | ug/Kg | | 05/19/23 11:07 | 05/26/23 13:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *183* | *S1+* | *39 - 150* | *05/19/23 11:07* | *05/26/23 13:44* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <10.5 | U H H3 | 24.8 | 10.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 01:24 | 1 |
| >C12-C28 Range Hydrocarbons | <10.5 | U H H3 | 24.8 | 10.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 01:24 | 1 |
| >C28-C35 Range Hydrocarbons | <10.5 | U H H3 | 24.8 | 10.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 01:24 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <10.5 | U | 24.8 | 10.5 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *90* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 01:24* | *1* |
| *o-Terphenyl (Surr)* | *96* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 01:24* | *1* |

## Client Sample ID: 23E2848-12
**Lab Sample ID: 860-49144-12**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.60 | U H H3 | 2.97 | 1.60 | ug/Kg | | 05/19/23 11:07 | 05/26/23 19:37 | 1 |
| Tributyltin | <1.38 | U H H3 | 2.97 | 1.38 | ug/Kg | | 05/19/23 11:07 | 05/26/23 19:37 | 1 |
| Dibutyltin | <1.26 | U H H3 | 2.97 | 1.26 | ug/Kg | | 05/19/23 11:07 | 05/26/23 19:37 | 1 |
| Monobutyltin | <0.531 | U H H3 F1 | 2.97 | 0.531 | ug/Kg | | 05/19/23 11:07 | 05/26/23 19:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *112* | | *39 - 150* | *05/19/23 11:07* | *05/26/23 19:37* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.7 | U H F2 H3 | 98.8 | 41.7 | mg/Kg | | 05/25/23 16:34 | 05/26/23 01:14 | 1 |
| **>C12-C28 Range Hydrocarbons** | **47.2** | **J H F2 H3** | 98.8 | 41.7 | mg/Kg | | 05/25/23 16:34 | 05/26/23 01:14 | 1 |
| >C28-C35 Range Hydrocarbons | <41.7 | U H H3 | 98.8 | 41.7 | mg/Kg | | 05/25/23 16:34 | 05/26/23 01:14 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **47.2** | **J** | 98.8 | 41.7 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *92* | | *70 - 130* | *05/25/23 16:34* | *05/26/23 01:14* | *1* |
| *o-Terphenyl (Surr)* | *96* | | *70 - 130* | *05/25/23 16:34* | *05/26/23 01:14* | *1* |

## Client Sample ID: 23E2848-13
**Lab Sample ID: 860-49144-13**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.62 | U H H3 | 3.00 | 1.62 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:02 | 1 |
| Tributyltin | <1.39 | U H H3 | 3.00 | 1.39 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:02 | 1 |

## Client Sample ID: 23E2848-13
**Lab Sample ID: 860-49144-13**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <1.27 | U H H3 | 3.00 | 1.27 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:02 | 1 |
| Monobutyltin | <0.536 | U H H3 | 3.00 | 0.536 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *120* | | *39 - 150* | *05/19/23 11:07* | *05/26/23 14:02* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.0 | U H H3 | 97.1 | 41.0 | mg/Kg | | 05/23/23 15:01 | 05/24/23 01:44 | 1 |
| >C12-C28 Range Hydrocarbons | <41.0 | U H H3 | 97.1 | 41.0 | mg/Kg | | 05/23/23 15:01 | 05/24/23 01:44 | 1 |
| >C28-C35 Range Hydrocarbons | <41.0 | U H H3 | 97.1 | 41.0 | mg/Kg | | 05/23/23 15:01 | 05/24/23 01:44 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <41.0 | U | 97.1 | 41.0 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *87* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 01:44* | *1* |
| *o-Terphenyl (Surr)* | *90* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 01:44* | *1* |

## Client Sample ID: 23E2848-14
**Lab Sample ID: 860-49144-14**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.62 | U H H3 | 3.00 | 1.62 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:21 | 1 |
| Tributyltin | <1.39 | U H H3 | 3.00 | 1.39 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:21 | 1 |
| Dibutyltin | <1.27 | U H H3 | 3.00 | 1.27 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:21 | 1 |
| Monobutyltin | <0.536 | U H H3 | 3.00 | 0.536 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *143* | | *39 - 150* | *05/19/23 11:07* | *05/26/23 14:21* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 95.6 | 40.3 | mg/Kg | | 05/23/23 15:01 | 05/24/23 02:03 | 1 |
| >C12-C28 Range Hydrocarbons | <40.3 | U H H3 | 95.6 | 40.3 | mg/Kg | | 05/23/23 15:01 | 05/24/23 02:03 | 1 |
| >C28-C35 Range Hydrocarbons | <40.3 | U H H3 | 95.6 | 40.3 | mg/Kg | | 05/23/23 15:01 | 05/24/23 02:03 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <40.3 | U | 95.6 | 40.3 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *89* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 02:03* | *1* |
| *o-Terphenyl (Surr)* | *94* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 02:03* | *1* |

## Client Sample ID: 23E2848-15
**Lab Sample ID: 860-49144-15**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.62 | U H H3 | 3.00 | 1.62 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:40 | 1 |
| Tributyltin | <1.39 | U H H3 | 3.00 | 1.39 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:40 | 1 |

## Client Sample ID: 23E2848-15
**Lab Sample ID: 860-49144-15**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <1.27 | U H H3 | 3.00 | 1.27 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:40 | 1 |
| Monobutyltin | <0.536 | U H H3 | 3.00 | 0.536 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *75* | | *39 - 150* | *05/19/23 11:07* | *05/26/23 14:40* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.7 | U H H3 | 94.2 | 39.7 | mg/Kg | | 05/23/23 15:01 | 05/24/23 02:43 | 1 |
| >C12-C28 Range Hydrocarbons | <39.7 | U H H3 | 94.2 | 39.7 | mg/Kg | | 05/23/23 15:01 | 05/24/23 02:43 | 1 |
| >C28-C35 Range Hydrocarbons | <39.7 | U H H3 | 94.2 | 39.7 | mg/Kg | | 05/23/23 15:01 | 05/24/23 02:43 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <39.7 | U | 94.2 | 39.7 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *86* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 02:43* | *1* |
| *o-Terphenyl (Surr)* | *90* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 02:43* | *1* |

## Client Sample ID: 23E2848-16
**Lab Sample ID: 860-49144-16**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <3.24 | U H H3 | 6.00 | 3.24 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:58 | 1 |
| Tributyltin | <2.78 | U H H3 | 6.00 | 2.78 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:58 | 1 |
| Dibutyltin | <2.54 | U H H3 | 6.00 | 2.54 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:58 | 1 |
| Monobutyltin | <1.07 | U H H3 | 6.00 | 1.07 | ug/Kg | | 05/19/23 11:07 | 05/26/23 14:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *172* | *S1+* | *39 - 150* | *05/19/23 11:07* | *05/26/23 14:58* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <10.3 | U H H3 | 24.5 | 10.3 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:02 | 1 |
| >C12-C28 Range Hydrocarbons | <10.3 | U H H3 | 24.5 | 10.3 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:02 | 1 |
| >C28-C35 Range Hydrocarbons | <10.3 | U H H3 | 24.5 | 10.3 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:02 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <10.3 | U | 24.5 | 10.3 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *94* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:02* | *1* |
| *o-Terphenyl (Surr)* | *99* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:02* | *1* |

## Client Sample ID: 23E2848-17
**Lab Sample ID: 860-49144-17**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <3.37 | U H H3 | 6.25 | 3.37 | ug/Kg | | 05/19/23 11:07 | 05/26/23 15:17 | 1 |
| Tributyltin | <2.90 | U H H3 | 6.25 | 2.90 | ug/Kg | | 05/19/23 11:07 | 05/26/23 15:17 | 1 |

## Client Sample ID: 23E2848-17
**Lab Sample ID: 860-49144-17**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <2.65 | U H H3 | 6.25 | 2.65 | ug/Kg | | 05/19/23 11:07 | 05/26/23 15:17 | 1 |
| Monobutyltin | <1.12 | U H H3 | 6.25 | 1.12 | ug/Kg | | 05/19/23 11:07 | 05/26/23 15:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *229* | *S1+* | *39 - 150* | *05/19/23 11:07* | *05/26/23 15:17* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <10.3 | U H H3 | 24.4 | 10.3 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:22 | 1 |
| >C12-C28 Range Hydrocarbons | <10.3 | U H H3 | 24.4 | 10.3 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:22 | 1 |
| >C28-C35 Range Hydrocarbons | <10.3 | U H H3 | 24.4 | 10.3 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:22 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <10.3 | U | 24.4 | 10.3 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *88* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:22* | *1* |
| *o-Terphenyl (Surr)* | *91* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:22* | *1* |

## Client Sample ID: 23E2848-18
**Lab Sample ID: 860-49144-18**

**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <3.30 | U H H3 | 6.12 | 3.30 | ug/Kg | | 05/19/23 11:07 | 05/26/23 15:35 | 1 |
| Tributyltin | <2.84 | U H H3 | 6.12 | 2.84 | ug/Kg | | 05/19/23 11:07 | 05/26/23 15:35 | 1 |
| Dibutyltin | <2.60 | U H H3 | 6.12 | 2.60 | ug/Kg | | 05/19/23 11:07 | 05/26/23 15:35 | 1 |
| Monobutyltin | <1.09 | U H H3 | 6.12 | 1.09 | ug/Kg | | 05/19/23 11:07 | 05/26/23 15:35 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *217* | *S1+* | *39 - 150* | *05/19/23 11:07* | *05/26/23 15:35* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <10.5 | U H H3 | 24.8 | 10.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:41 | 1 |
| >C12-C28 Range Hydrocarbons | <10.5 | U H H3 | 24.8 | 10.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:41 | 1 |
| >C28-C35 Range Hydrocarbons | <10.5 | U H H3 | 24.8 | 10.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 03:41 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <10.5 | U | 24.8 | 10.5 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *85* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:41* | *1* |
| *o-Terphenyl (Surr)* | *87* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 03:41* | *1* |

## Client Sample ID: 23E2848-19
**Lab Sample ID: 860-49144-19**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <38.5 | U H H3 | 91.2 | 38.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 04:01 | 1 |
| **>C12-C28 Range Hydrocarbons** | **81.6** | **J H H3** | 91.2 | 38.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 04:01 | 1 |

## Client Sample ID: 23E2848-19
**Lab Sample ID: 860-49144-19**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| >C28-C35 Range Hydrocarbons | <38.5 | U H H3 | 91.2 | 38.5 | mg/Kg | | 05/23/23 15:01 | 05/24/23 04:01 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **81.6** | **J** | 91.2 | 38.5 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *85* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 04:01* | *1* |
| *o-Terphenyl (Surr)* | *86* | | *70 - 130* | *05/23/23 15:01* | *05/24/23 04:01* | *1* |

## Client Sample ID: 23E2848-20
**Lab Sample ID: 860-49144-20**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <38.7 | U H H3 | 91.7 | 38.7 | mg/Kg | | 05/24/23 15:28 | 05/26/23 04:15 | 1 |
| **>C12-C28 Range Hydrocarbons** | **2180** | **H H3** | 91.7 | 38.7 | mg/Kg | | 05/24/23 15:28 | 05/26/23 04:15 | 1 |
| **>C28-C35 Range Hydrocarbons** | **527** | **H H3** | 91.7 | 38.7 | mg/Kg | | 05/24/23 15:28 | 05/26/23 04:15 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **2710** | | 91.7 | 38.7 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* | *05/24/23 15:28* | *05/26/23 04:15* | *1* |
| *o-Terphenyl (Surr)* | *106* | | *70 - 130* | *05/24/23 15:28* | *05/26/23 04:15* | *1* |

## Client Sample ID: 23E2848-21
**Lab Sample ID: 860-49144-21**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.1 | U H H3 | 97.5 | 41.1 | mg/Kg | | 05/24/23 15:28 | 05/26/23 04:35 | 1 |
| **>C12-C28 Range Hydrocarbons** | **2390** | **H H3** | 97.5 | 41.1 | mg/Kg | | 05/24/23 15:28 | 05/26/23 04:35 | 1 |
| **>C28-C35 Range Hydrocarbons** | **646** | **H H3** | 97.5 | 41.1 | mg/Kg | | 05/24/23 15:28 | 05/26/23 04:35 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **3040** | | 97.5 | 41.1 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *99* | | *70 - 130* | *05/24/23 15:28* | *05/26/23 04:35* | *1* |
| *o-Terphenyl (Surr)* | *123* | | *70 - 130* | *05/24/23 15:28* | *05/26/23 04:35* | *1* |

## Client Sample ID: 23E2848-22
**Lab Sample ID: 860-49144-22**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.0 | U H H3 | 97.1 | 41.0 | mg/Kg | | 05/24/23 15:28 | 05/26/23 04:55 | 1 |
| **>C12-C28 Range Hydrocarbons** | **2170** | **H H3** | 97.1 | 41.0 | mg/Kg | | 05/24/23 15:28 | 05/26/23 04:55 | 1 |
| **>C28-C35 Range Hydrocarbons** | **522** | **H H3** | 97.1 | 41.0 | mg/Kg | | 05/24/23 15:28 | 05/26/23 04:55 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **2690** | | 97.1 | 41.0 | mg/Kg | | | 05/24/23 10:12 | 1 |

## Client Sample ID: 23E2848-22
**Lab Sample ID: 860-49144-22**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* | *05/24/23 15:28* | *05/26/23 04:55* | *1* |
| *o-Terphenyl (Surr)* | *118* | | *70 - 130* | *05/24/23 15:28* | *05/26/23 04:55* | *1* |

## Client Sample ID: 23E2848-23
**Lab Sample ID: 860-49144-23**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 95.6 | 40.3 | mg/Kg | | 05/24/23 15:28 | 05/26/23 05:15 | 1 |
| **>C12-C28 Range Hydrocarbons** | **2210** | **H H3** | 95.6 | 40.3 | mg/Kg | | 05/24/23 15:28 | 05/26/23 05:15 | 1 |
| **>C28-C35 Range Hydrocarbons** | **486** | **H H3** | 95.6 | 40.3 | mg/Kg | | 05/24/23 15:28 | 05/26/23 05:15 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **2700** | | 95.6 | 40.3 | mg/Kg | | | 05/24/23 10:12 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *103* | | *70 - 130* | *05/24/23 15:28* | *05/26/23 05:15* | *1* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* | *05/24/23 15:28* | *05/26/23 05:15* | *1* |

## Client Sample ID: 23E2848-24
**Lab Sample ID: 860-49144-24**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.59 | U | 2.94 | 1.59 | ug/Kg | | 05/19/23 11:07 | 06/02/23 21:03 | 1 |
| Tributyltin | <1.36 | U | 2.94 | 1.36 | ug/Kg | | 05/19/23 11:07 | 06/02/23 21:03 | 1 |
| **Dibutyltin** | **1.98** | **J** | 2.94 | 1.25 | ug/Kg | | 05/19/23 11:07 | 06/02/23 21:03 | 1 |
| Monobutyltin | <0.525 | U | 2.94 | 0.525 | ug/Kg | | 05/19/23 11:07 | 06/02/23 21:03 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *126* | | *39 - 150* | *05/19/23 11:07* | *06/02/23 21:03* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.1 | U H H3 | 97.3 | 41.1 | mg/Kg | | 05/24/23 15:28 | 05/25/23 16:11 | 1 |
| **>C12-C28 Range Hydrocarbons** | **466** | **H H3** | 97.3 | 41.1 | mg/Kg | | 05/24/23 15:28 | 05/25/23 16:11 | 1 |
| **>C28-C35 Range Hydrocarbons** | **111** | **H H3** | 97.3 | 41.1 | mg/Kg | | 05/24/23 15:28 | 05/25/23 16:11 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **577** | | 97.3 | 41.1 | mg/Kg | | | 05/24/23 10:12 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *110* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 16:11* | *1* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 16:11* | *1* |

## Client Sample ID: 23E2848-25
**Lab Sample ID: 860-49144-25**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <3.37 | U H H3 | 6.25 | 3.37 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:12 | 1 |
| Tributyltin | <2.90 | U H H3 | 6.25 | 2.90 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:12 | 1 |

## Client Sample ID: 23E2848-25
**Lab Sample ID: 860-49144-25**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <2.65 | U H H3 | 6.25 | 2.65 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:12 | 1 |
| Monobutyltin | <1.12 | U H H3 | 6.25 | 1.12 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *60* | | *39 - 150* | *05/19/23 11:07* | *05/26/23 16:12* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <10.4 | U H H3 | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:50 | 1 |
| **>C12-C28 Range Hydrocarbons** | **44.2** | **H H3** | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:50 | 1 |
| **>C28-C35 Range Hydrocarbons** | **16.6** | **J H H3** | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:50 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **60.8** | | 24.7 | 10.4 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *107* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 13:50* | *1* |
| *o-Terphenyl (Surr)* | *115* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 13:50* | *1* |

## Client Sample ID: 23E2848-26
**Lab Sample ID: 860-49144-26**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.57 | U H H3 | 2.91 | 1.57 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:31 | 1 |
| Tributyltin | <1.35 | U H H3 | 2.91 | 1.35 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:31 | 1 |
| Dibutyltin | <1.23 | U H H3 | 2.91 | 1.23 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:31 | 1 |
| Monobutyltin | <0.520 | U H H3 | 2.91 | 0.520 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *47* | | *39 - 150* | *05/19/23 11:07* | *05/26/23 16:31* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <42.1 | U H H3 | 99.8 | 42.1 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:50 | 1 |
| **>C12-C28 Range Hydrocarbons** | **281** | **H H3** | 99.8 | 42.1 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:50 | 1 |
| **>C28-C35 Range Hydrocarbons** | **106** | **H H3** | 99.8 | 42.1 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:50 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **387** | | 99.8 | 42.1 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *108* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 13:50* | *1* |
| *o-Terphenyl (Surr)* | *114* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 13:50* | *1* |

## Client Sample ID: 23E2848-27
**Lab Sample ID: 860-49144-27**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.60 | U H H3 | 2.97 | 1.60 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:49 | 1 |
| Tributyltin | <1.38 | U H H3 | 2.97 | 1.38 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:49 | 1 |

## Client Sample ID: 23E2848-27
**Lab Sample ID: 860-49144-27**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <1.26 | U H H3 | 2.97 | 1.26 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:49 | 1 |
| Monobutyltin | <0.531 | U H H3 | 2.97 | 0.531 | ug/Kg | | 05/19/23 11:07 | 05/26/23 16:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *29* | *S1-* | *39 - 150* | *05/19/23 11:07* | *05/26/23 16:49* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.0 | U H H3 | 97.1 | 41.0 | mg/Kg | | 05/24/23 15:28 | 05/25/23 15:11 | 1 |
| **>C12-C28 Range Hydrocarbons** | **400** | **H H3** | 97.1 | 41.0 | mg/Kg | | 05/24/23 15:28 | 05/25/23 15:11 | 1 |
| **>C28-C35 Range Hydrocarbons** | **78.9** | **J H H3** | 97.1 | 41.0 | mg/Kg | | 05/24/23 15:28 | 05/25/23 15:11 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **479** | | 97.1 | 41.0 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *106* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 15:11* | *1* |
| *o-Terphenyl (Surr)* | *103* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 15:11* | *1* |

## Client Sample ID: 23E2848-28
**Lab Sample ID: 860-49144-28**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <3.37 | U H H3 | 6.25 | 3.37 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:08 | 1 |
| Tributyltin | <2.90 | U H H3 | 6.25 | 2.90 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:08 | 1 |
| Dibutyltin | <2.65 | U H H3 | 6.25 | 2.65 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:08 | 1 |
| Monobutyltin | <1.12 | U H H3 | 6.25 | 1.12 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *28* | *S1-* | *39 - 150* | *05/19/23 11:07* | *05/26/23 17:08* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <10.4 | U H H3 | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 15:31 | 1 |
| **>C12-C28 Range Hydrocarbons** | **35.6** | **H H3** | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 15:31 | 1 |
| >C28-C35 Range Hydrocarbons | <10.4 | U H H3 | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 15:31 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **35.6** | | 24.7 | 10.4 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *111* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 15:31* | *1* |
| *o-Terphenyl (Surr)* | *111* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 15:31* | *1* |

## Client Sample ID: 23E2848-29
**Lab Sample ID: 860-49144-29**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.60 | U H H3 | 2.97 | 1.60 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:26 | 1 |
| Tributyltin | <1.38 | U H H3 | 2.97 | 1.38 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:26 | 1 |

## Client Sample ID: 23E2848-29
**Lab Sample ID: 860-49144-29**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <1.26 | U H H3 | 2.97 | 1.26 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:26 | 1 |
| Monobutyltin | <0.531 | U H H3 | 2.97 | 0.531 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:26 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *20* | *S1-* | *39 - 150* | *05/19/23 11:07* | *05/26/23 17:26* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.0 | U H H3 | 92.4 | 39.0 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:30 | 1 |
| **>C12-C28 Range Hydrocarbons** | **2680** | **H H3** | 92.4 | 39.0 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:30 | 1 |
| **>C28-C35 Range Hydrocarbons** | **381** | **H H3** | 92.4 | 39.0 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:30 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **3060** | | 92.4 | 39.0 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *109* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 14:30* | *1* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 14:30* | *1* |

## Client Sample ID: 23E2848-30
**Lab Sample ID: 860-49144-30**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.60 | U H H3 | 2.97 | 1.60 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:45 | 1 |
| Tributyltin | <1.38 | U H H3 | 2.97 | 1.38 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:45 | 1 |
| Dibutyltin | <1.26 | U H H3 | 2.97 | 1.26 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:45 | 1 |
| Monobutyltin | <0.531 | U H H3 | 2.97 | 0.531 | ug/Kg | | 05/19/23 11:07 | 05/26/23 17:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *23* | *S1-* | *39 - 150* | *05/19/23 11:07* | *05/26/23 17:45* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.3 | U H H3 | 95.6 | 40.3 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:50 | 1 |
| **>C12-C28 Range Hydrocarbons** | **2170** | **H H3** | 95.6 | 40.3 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:50 | 1 |
| **>C28-C35 Range Hydrocarbons** | **297** | **H H3** | 95.6 | 40.3 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:50 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **2470** | | 95.6 | 40.3 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *106* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 14:50* | *1* |
| *o-Terphenyl (Surr)* | *111* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 14:50* | *1* |

## Client Sample ID: 23E2848-31
**Lab Sample ID: 860-49144-31**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.60 | U H H3 | 2.97 | 1.60 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:15 | 1 |
| Tributyltin | <1.38 | U H H3 | 2.97 | 1.38 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:15 | 1 |

## Client Sample ID: 23E2848-31
**Lab Sample ID: 860-49144-31**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <1.26 | U H H3 | 2.97 | 1.26 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:15 | 1 |
| Monobutyltin | <0.531 | U H *- H3 | 2.97 | 0.531 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *164* | *S1+* | *39 - 150* | *05/22/23 13:49* | *05/31/23 14:15* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <39.1 | U H H3 | 92.6 | 39.1 | mg/Kg | | 05/24/23 15:28 | 05/25/23 15:11 | 1 |
| **>C12-C28 Range Hydrocarbons** | **2660** | **H H3** | 92.6 | 39.1 | mg/Kg | | 05/24/23 15:28 | 05/25/23 15:11 | 1 |
| **>C28-C35 Range Hydrocarbons** | **393** | **H H3** | 92.6 | 39.1 | mg/Kg | | 05/24/23 15:28 | 05/25/23 15:11 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **3050** | | 92.6 | 39.1 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *108* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 15:11* | *1* |
| *o-Terphenyl (Surr)* | *114* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 15:11* | *1* |

## Client Sample ID: 23E2848-32
**Lab Sample ID: 860-49144-32**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.62 | U H H3 | 3.00 | 1.62 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:33 | 1 |
| Tributyltin | <1.39 | U H H3 | 3.00 | 1.39 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:33 | 1 |
| Dibutyltin | <1.27 | U H H3 | 3.00 | 1.27 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:33 | 1 |
| Monobutyltin | <0.536 | U H *- H3 | 3.00 | 0.536 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *54* | | *39 - 150* | *05/22/23 13:49* | *05/31/23 14:33* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <40.2 | U H H3 | 95.2 | 40.2 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:10 | 1 |
| **>C12-C28 Range Hydrocarbons** | **1740** | **H H3** | 95.2 | 40.2 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:10 | 1 |
| **>C28-C35 Range Hydrocarbons** | **219** | **H H3** | 95.2 | 40.2 | mg/Kg | | 05/24/23 15:28 | 05/25/23 14:10 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **1960** | | 95.2 | 40.2 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *105* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 14:10* | *1* |
| *o-Terphenyl (Surr)* | *110* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 14:10* | *1* |

## Client Sample ID: 23E2848-33
**Lab Sample ID: 860-49144-33**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.60 | U H H3 | 2.97 | 1.60 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:52 | 1 |
| Tributyltin | <1.38 | U H H3 | 2.97 | 1.38 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:52 | 1 |

## Client Sample ID: 23E2848-33
**Lab Sample ID: 860-49144-33**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <1.26 | U H H3 | 2.97 | 1.26 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:52 | 1 |
| Monobutyltin | <0.531 | U H *- H3 | 2.97 | 0.531 | ug/Kg | | 05/22/23 13:49 | 05/31/23 14:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *72* | | *39 - 150* | *05/22/23 13:49* | *05/31/23 14:52* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.3 | U H H3 | 97.8 | 41.3 | mg/Kg | | 05/24/23 15:28 | 05/25/23 03:50 | 1 |
| **>C12-C28 Range Hydrocarbons** | **1990** | **H H3** | 97.8 | 41.3 | mg/Kg | | 05/24/23 15:28 | 05/25/23 03:50 | 1 |
| **>C28-C35 Range Hydrocarbons** | **298** | **H H3** | 97.8 | 41.3 | mg/Kg | | 05/24/23 15:28 | 05/25/23 03:50 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **2290** | | 97.8 | 41.3 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *107* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 03:50* | *1* |
| *o-Terphenyl (Surr)* | *105* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 03:50* | *1* |

## Client Sample ID: 23E2848-34
**Lab Sample ID: 860-49144-34**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <3.37 | U H H3 | 6.25 | 3.37 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:10 | 1 |
| Tributyltin | <2.90 | U H H3 | 6.25 | 2.90 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:10 | 1 |
| Dibutyltin | <2.65 | U H H3 | 6.25 | 2.65 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:10 | 1 |
| Monobutyltin | <1.12 | U H *- H3 | 6.25 | 1.12 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *64* | | *39 - 150* | *05/22/23 13:49* | *05/31/23 15:10* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <10.5 | U H H3 | 25.0 | 10.5 | mg/Kg | | 05/24/23 15:28 | 05/26/23 05:35 | 1 |
| **>C12-C28 Range Hydrocarbons** | **394** | **H H3** | 25.0 | 10.5 | mg/Kg | | 05/24/23 15:28 | 05/26/23 05:35 | 1 |
| **>C28-C35 Range Hydrocarbons** | **54.9** | **H H3** | 25.0 | 10.5 | mg/Kg | | 05/24/23 15:28 | 05/26/23 05:35 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **449** | | 25.0 | 10.5 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *100* | | *70 - 130* | *05/24/23 15:28* | *05/26/23 05:35* | *1* |
| *o-Terphenyl (Surr)* | *107* | | *70 - 130* | *05/24/23 15:28* | *05/26/23 05:35* | *1* |

## Client Sample ID: 23E2848-35
**Lab Sample ID: 860-49144-35**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <3.24 | U H H3 | 6.00 | 3.24 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:29 | 1 |
| Tributyltin | <2.78 | U H H3 | 6.00 | 2.78 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:29 | 1 |

## Client Sample ID: 23E2848-35
**Lab Sample ID: 860-49144-35**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibutyltin | <2.54 | U H H3 | 6.00 | 2.54 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:29 | 1 |
| Monobutyltin | <1.07 | U H *- H3 | 6.00 | 1.07 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *79* | | *39 - 150* | *05/22/23 13:49* | *05/31/23 15:29* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <10.4 | U H H3 | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:10 | 1 |
| **>C12-C28 Range Hydrocarbons** | **97.5** | **H H3** | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:10 | 1 |
| **>C28-C35 Range Hydrocarbons** | **28.2** | **H H3** | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:10 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **126** | | 24.7 | 10.4 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *106* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 13:10* | *1* |
| *o-Terphenyl (Surr)* | *114* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 13:10* | *1* |

## Client Sample ID: 23E2848-36
**Lab Sample ID: 860-49144-36**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

### Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <3.37 | U H H3 | 6.25 | 3.37 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:47 | 1 |
| Tributyltin | <2.90 | U H H3 | 6.25 | 2.90 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:47 | 1 |
| Dibutyltin | <2.65 | U H H3 | 6.25 | 2.65 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:47 | 1 |
| Monobutyltin | <1.12 | U H *- H3 | 6.25 | 1.12 | ug/Kg | | 05/22/23 13:49 | 05/31/23 15:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *97* | | *39 - 150* | *05/22/23 13:49* | *05/31/23 15:47* | *1* |

### Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <10.4 | U H H3 | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:30 | 1 |
| **>C12-C28 Range Hydrocarbons** | **50.3** | **H H3** | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:30 | 1 |
| **>C28-C35 Range Hydrocarbons** | **17.9** | **J H H3** | 24.7 | 10.4 | mg/Kg | | 05/24/23 15:28 | 05/25/23 13:30 | 1 |
| **Total Petroleum Hydrocarbons (C6-C35)** | **68.2** | | 24.7 | 10.4 | mg/Kg | | | 05/24/23 10:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *109* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 13:30* | *1* |
| *o-Terphenyl (Surr)* | *117* | | *70 - 130* | *05/24/23 15:28* | *05/25/23 13:30* | *1* |

# Surrogate Summary

Client: North Water District Laboratory Services
Project/Site: General Project

Job ID: 860-49144-1

## Method: Organotins SIM - Organotins (GC/MS SIM)

**Matrix: Solid**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | TPTT | | | | | | |
| Lab Sample ID | Client Sample ID | (39-150) | | | | | | |
| 860-49144-6 | 23E2848-06 | 105 | | | | | | |
| 860-49144-7 | 23E2848-07 | 168 S1+ | | | | | | |
| 860-49144-8 | 23E2848-08 | 169 S1+ | | | | | | |
| 860-49144-9 | 23E2848-09 | 225 S1+ | | | | | | |
| 860-49144-10 | 23E2848-10 | 121 | | | | | | |
| 860-49144-11 | 23E2848-11 | 183 S1+ | | | | | | |
| 860-49144-12 | 23E2848-12 | 112 | | | | | | |
| 860-49144-12 MS | 23E2848-12 | 147 | | | | | | |
| 860-49144-12 MSD | 23E2848-12 | 169 S1+ | | | | | | |
| 860-49144-13 | 23E2848-13 | 120 | | | | | | |
| 860-49144-14 | 23E2848-14 | 143 | | | | | | |
| 860-49144-15 | 23E2848-15 | 75 | | | | | | |
| 860-49144-16 | 23E2848-16 | 172 S1+ | | | | | | |
| 860-49144-17 | 23E2848-17 | 229 S1+ | | | | | | |
| 860-49144-18 | 23E2848-18 | 217 S1+ | | | | | | |
| 860-49144-24 | 23E2848-24 | 126 | | | | | | |
| 860-49144-25 | 23E2848-25 | 60 | | | | | | |
| 860-49144-26 | 23E2848-26 | 47 | | | | | | |
| 860-49144-27 | 23E2848-27 | 29 S1- | | | | | | |
| 860-49144-28 | 23E2848-28 | 28 S1- | | | | | | |
| 860-49144-29 | 23E2848-29 | 20 S1- | | | | | | |
| 860-49144-30 | 23E2848-30 | 23 S1- | | | | | | |
| 860-49144-31 | 23E2848-31 | 164 S1+ | | | | | | |
| 860-49144-32 | 23E2848-32 | 54 | | | | | | |
| 860-49144-33 | 23E2848-33 | 72 | | | | | | |
| 860-49144-34 | 23E2848-34 | 64 | | | | | | |
| 860-49144-35 | 23E2848-35 | 79 | | | | | | |
| 860-49144-36 | 23E2848-36 | 97 | | | | | | |
| LCS 570-330405/2-A | Lab Control Sample | 102 | | | | | | |
| LCS 570-330477/2-A | Lab Control Sample | 101 | | | | | | |
| LCSD 570-330405/3-A | Lab Control Sample Dup | 100 | | | | | | |
| LCSD 570-330477/3-A | Lab Control Sample Dup | 107 | | | | | | |
| MB 570-330405/1-A | Method Blank | 85 | | | | | | |
| MB 570-330477/1-A | Method Blank | 76 | | | | | | |

**Surrogate Legend**

TPTT = Tripentyltin

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

**Matrix: Solid**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 1CO | OTPH | | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | | | | |
| 860-49144-1 | 23E2848-01 | 112 | 108 | | | | | |
| 860-49144-1 MS | 23E2848-01 | 110 | 115 | | | | | |
| 860-49144-1 MSD | 23E2848-01 | 106 | 111 | | | | | |
| 860-49144-2 | 23E2848-02 | 94 | 97 | | | | | |
| 860-49144-3 | 23E2848-03 | 88 | 93 | | | | | |
| 860-49144-4 | 23E2848-04 | 87 | 90 | | | | | |

# Surrogate Summary

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Matrix: Solid**
**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1CO | OTPH | | | | | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | | | | | | | |
| 860-49144-5 | 23E2848-05 | 83 | 86 | | | | | | | | |
| 860-49144-6 | 23E2848-06 | 85 | 89 | | | | | | | | |
| 860-49144-7 | 23E2848-07 | 83 | 85 | | | | | | | | |
| 860-49144-8 | 23E2848-08 | 83 | 86 | | | | | | | | |
| 860-49144-9 | 23E2848-09 | 93 | 98 | | | | | | | | |
| 860-49144-10 | 23E2848-10 | 87 | 91 | | | | | | | | |
| 860-49144-11 | 23E2848-11 | 90 | 96 | | | | | | | | |
| 860-49144-12 | 23E2848-12 | 92 | 96 | | | | | | | | |
| 860-49144-12 MS | 23E2848-12 | 91 | 99 | | | | | | | | |
| 860-49144-12 MSD | 23E2848-12 | 91 | 96 | | | | | | | | |
| 860-49144-13 | 23E2848-13 | 87 | 90 | | | | | | | | |
| 860-49144-14 | 23E2848-14 | 89 | 94 | | | | | | | | |
| 860-49144-15 | 23E2848-15 | 86 | 90 | | | | | | | | |
| 860-49144-16 | 23E2848-16 | 94 | 99 | | | | | | | | |
| 860-49144-17 | 23E2848-17 | 88 | 91 | | | | | | | | |
| 860-49144-18 | 23E2848-18 | 85 | 87 | | | | | | | | |
| 860-49144-19 | 23E2848-19 | 85 | 86 | | | | | | | | |
| 860-49144-20 | 23E2848-20 | 100 | 106 | | | | | | | | |
| 860-49144-21 | 23E2848-21 | 99 | 123 | | | | | | | | |
| 860-49144-22 | 23E2848-22 | 100 | 118 | | | | | | | | |
| 860-49144-23 | 23E2848-23 | 103 | 107 | | | | | | | | |
| 860-49144-24 | 23E2848-24 | 110 | 107 | | | | | | | | |
| 860-49144-25 | 23E2848-25 | 107 | 115 | | | | | | | | |
| 860-49144-26 | 23E2848-26 | 108 | 114 | | | | | | | | |
| 860-49144-27 | 23E2848-27 | 106 | 103 | | | | | | | | |
| 860-49144-28 | 23E2848-28 | 111 | 111 | | | | | | | | |
| 860-49144-29 | 23E2848-29 | 109 | 107 | | | | | | | | |
| 860-49144-30 | 23E2848-30 | 106 | 111 | | | | | | | | |
| 860-49144-31 | 23E2848-31 | 108 | 114 | | | | | | | | |
| 860-49144-32 | 23E2848-32 | 105 | 110 | | | | | | | | |
| 860-49144-33 | 23E2848-33 | 107 | 105 | | | | | | | | |
| 860-49144-34 | 23E2848-34 | 100 | 107 | | | | | | | | |
| 860-49144-35 | 23E2848-35 | 106 | 114 | | | | | | | | |
| 860-49144-36 | 23E2848-36 | 109 | 117 | | | | | | | | |
| LCS 860-104498/2-A | Lab Control Sample | 92 | 105 | | | | | | | | |
| LCS 860-104716/2-A | Lab Control Sample | 106 | 116 | | | | | | | | |
| LCS 860-104923/2-A | Lab Control Sample | 93 | 99 | | | | | | | | |
| LCSD 860-104498/3-A | Lab Control Sample Dup | 93 | 100 | | | | | | | | |
| LCSD 860-104716/3-A | Lab Control Sample Dup | 107 | 118 | | | | | | | | |
| LCSD 860-104923/3-A | Lab Control Sample Dup | 89 | 96 | | | | | | | | |
| MB 860-104498/1-A | Method Blank | 98 | 105 | | | | | | | | |
| MB 860-104716/1-A | Method Blank | 109 | 118 | | | | | | | | |
| MB 860-104923/1-A | Method Blank | 93 | 99 | | | | | | | | |

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

## Method: Organotins SIM - Organotins (GC/MS SIM)

**Lab Sample ID: MB 570-330405/1-A**
**Matrix: Solid**
**Analysis Batch: 332399**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 330405**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.62 | U | 3.00 | 1.62 | ug/Kg | | 05/19/23 11:07 | 05/26/23 18:04 | 1 |
| Tributyltin | <1.39 | U | 3.00 | 1.39 | ug/Kg | | 05/19/23 11:07 | 05/26/23 18:04 | 1 |
| Dibutyltin | <1.27 | U | 3.00 | 1.27 | ug/Kg | | 05/19/23 11:07 | 05/26/23 18:04 | 1 |
| Monobutyltin | <0.536 | U | 3.00 | 0.536 | ug/Kg | | 05/19/23 11:07 | 05/26/23 18:04 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *85* | | *39 - 150* | *05/19/23 11:07* | *05/26/23 18:04* | *1* |

**Lab Sample ID: LCS 570-330405/2-A**
**Matrix: Solid**
**Analysis Batch: 333761**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 330405**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | | | 20.0 | 22.74 | | ug/Kg | | 114 | 10 - 153 | | |
| Tributyltin | | | 20.0 | 18.71 | | ug/Kg | | 94 | 10 - 126 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Tripentyltin* | *102* | | *39 - 150* |

**Lab Sample ID: LCSD 570-330405/3-A**
**Matrix: Solid**
**Analysis Batch: 333761**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 330405**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | | | 20.0 | 22.13 | | ug/Kg | | 111 | 10 - 153 | 3 | 30 |
| Tributyltin | | | 20.0 | 18.47 | | ug/Kg | | 92 | 10 - 126 | 1 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *Tripentyltin* | *100* | | *39 - 150* |

**Lab Sample ID: 860-49144-12 MS**
**Matrix: Solid**
**Analysis Batch: 332399**

**Client Sample ID: 23E2848-12**
**Prep Type: Total/NA**
**Prep Batch: 330405**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.60 | U H H3 | 19.6 | 24.18 | H H3 | ug/Kg | | 123 | 10 - 140 | | |
| Tributyltin | <1.38 | U H H3 | 19.6 | 20.24 | H H3 | ug/Kg | | 103 | 10 - 135 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Tripentyltin* | *147* | | *39 - 150* |

**Lab Sample ID: 860-49144-12 MSD**
**Matrix: Solid**
**Analysis Batch: 332399**

**Client Sample ID: 23E2848-12**
**Prep Type: Total/NA**
**Prep Batch: 330405**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.60 | U H H3 | 19.8 | 21.36 | H H3 | ug/Kg | | 108 | 10 - 140 | 12 | 40 |

## Method: Organotins SIM - Organotins (GC/MS SIM) (Continued)

**Lab Sample ID: 860-49144-12 MSD**
**Matrix: Solid**
**Analysis Batch: 332399**

**Client Sample ID: 23E2848-12**
**Prep Type: Total/NA**
**Prep Batch: 330405**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tributyltin | <1.38 | U H H3 | 19.8 | 19.11 | H H3 | ug/Kg | | 97 | 10 - 135 | 6 | 40 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *Tripentyltin* | *169* | *S1+* | *39 - 150* |

**Lab Sample ID: MB 570-330477/1-A**
**Matrix: Solid**
**Analysis Batch: 333269**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 330477**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | <1.62 | U | 3.00 | 1.62 | ug/Kg | | 05/22/23 13:49 | 05/31/23 17:02 | 1 |
| Tributyltin | <1.39 | U | 3.00 | 1.39 | ug/Kg | | 05/22/23 13:49 | 05/31/23 17:02 | 1 |
| Dibutyltin | <1.27 | U | 3.00 | 1.27 | ug/Kg | | 05/22/23 13:49 | 05/31/23 17:02 | 1 |
| Monobutyltin | <0.536 | U | 3.00 | 0.536 | ug/Kg | | 05/22/23 13:49 | 05/31/23 17:02 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *Tripentyltin* | *76* | | *39 - 150* | *05/22/23 13:49* | *05/31/23 17:02* | *1* |

**Lab Sample ID: LCS 570-330477/2-A**
**Matrix: Solid**
**Analysis Batch: 333269**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 330477**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | | | 20.0 | 22.49 | | ug/Kg | | 112 | 10 - 153 | | |
| Tributyltin | | | 20.0 | 18.77 | | ug/Kg | | 94 | 10 - 126 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *Tripentyltin* | *101* | | *39 - 150* |

**Lab Sample ID: LCSD 570-330477/3-A**
**Matrix: Solid**
**Analysis Batch: 333269**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 330477**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrabutyltin | | | 20.0 | 23.04 | | ug/Kg | | 115 | 10 - 153 | 2 | 30 |
| Tributyltin | | | 20.0 | 19.08 | | ug/Kg | | 95 | 10 - 126 | 2 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *Tripentyltin* | *107* | | *39 - 150* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

**Lab Sample ID: MB 860-104498/1-A**
**Matrix: Solid**
**Analysis Batch: 104641**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 104498**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 05/23/23 15:00 | 05/24/23 14:59 | 1 |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: MB 860-104498/1-A**
**Matrix: Solid**
**Analysis Batch: 104641**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 104498**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| >C12-C28 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 05/23/23 15:00 | 05/24/23 14:59 | 1 |
| >C28-C35 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 05/23/23 15:00 | 05/24/23 14:59 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *98* | | *70 - 130* | *05/23/23 15:00* | *05/24/23 14:59* | *1* |
| *o-Terphenyl (Surr)* | *105* | | *70 - 130* | *05/23/23 15:00* | *05/24/23 14:59* | *1* |

**Lab Sample ID: LCS 860-104498/2-A**
**Matrix: Solid**
**Analysis Batch: 104643**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 104498**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 996 | 966.5 | | mg/Kg | | 97 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | | | 998 | 1090 | | mg/Kg | | 109 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *92* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *105* | | *70 - 130* |

**Lab Sample ID: LCSD 860-104498/3-A**
**Matrix: Solid**
**Analysis Batch: 104643**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 104498**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 996 | 985.8 | | mg/Kg | | 99 | 75 - 125 | 2 | 20 |
| >C12-C28 Range Hydrocarbons | | | 998 | 1060 | | mg/Kg | | 106 | 75 - 125 | 3 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *93* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *100* | | *70 - 130* |

**Lab Sample ID: MB 860-104716/1-A**
**Matrix: Solid**
**Analysis Batch: 104641**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 104716**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 05/24/23 15:28 | 05/24/23 20:50 | 1 |
| >C12-C28 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 05/24/23 15:28 | 05/24/23 20:50 | 1 |
| >C28-C35 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 05/24/23 15:28 | 05/24/23 20:50 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *109* | | *70 - 130* | *05/24/23 15:28* | *05/24/23 20:50* | *1* |
| *o-Terphenyl (Surr)* | *118* | | *70 - 130* | *05/24/23 15:28* | *05/24/23 20:50* | *1* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: LCS 860-104716/2-A**
**Matrix: Solid**
**Analysis Batch: 104641**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 104716**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 996 | 1091 | | mg/Kg | | 110 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | | | 998 | 1140 | | mg/Kg | | 114 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *106* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *116* | | *70 - 130* |

**Lab Sample ID: LCSD 860-104716/3-A**
**Matrix: Solid**
**Analysis Batch: 104641**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 104716**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | | | 996 | 1091 | | mg/Kg | | 109 | 75 - 125 | 0 | 20 |
| >C12-C28 Range Hydrocarbons | | | 998 | 1157 | | mg/Kg | | 116 | 75 - 125 | 2 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *107* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *118* | | *70 - 130* |

**Lab Sample ID: 860-49144-1 MS**
**Matrix: Solid**
**Analysis Batch: 104842**

**Client Sample ID: 23E2848-01**
**Prep Type: Total/NA**
**Prep Batch: 104716**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.4 | U H H3 | 1800 | 2036 | H H3 | mg/Kg | | 113 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | 533 | H F1 H3 | 1810 | 2725 | H H3 | mg/Kg | | 121 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *110* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *115* | | *70 - 130* |

**Lab Sample ID: 860-49144-1 MSD**
**Matrix: Solid**
**Analysis Batch: 104842**

**Client Sample ID: 23E2848-01**
**Prep Type: Total/NA**
**Prep Batch: 104716**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.4 | U H H3 | 1940 | 2159 | H H3 | mg/Kg | | 111 | 75 - 125 | 6 | 20 |
| >C12-C28 Range Hydrocarbons | 533 | H F1 H3 | 1950 | 3112 | H H3 F1 | mg/Kg | | 133 | 75 - 125 | 13 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *106* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *111* | | *70 - 130* |

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: MB 860-104923/1-A**
**Matrix: Solid**
**Analysis Batch: 104842**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 104923**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 05/25/23 16:34 | 05/26/23 00:54 | 1 |
| >C12-C28 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 05/25/23 16:34 | 05/26/23 00:54 | 1 |
| >C28-C35 Range Hydrocarbons | <21.1 | U | 50.0 | 21.1 | mg/Kg | | 05/25/23 16:34 | 05/26/23 00:54 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane (Surr)* | *93* | | *70 - 130* | *05/25/23 16:34* | *05/26/23 00:54* | *1* |
| *o-Terphenyl (Surr)* | *99* | | *70 - 130* | *05/25/23 16:34* | *05/26/23 00:54* | *1* |

**Lab Sample ID: LCS 860-104923/2-A**
**Matrix: Solid**
**Analysis Batch: 104842**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 104923**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | 996 | 1021 | | mg/Kg | | 103 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | 998 | 1077 | | mg/Kg | | 108 | 75 - 125 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *93* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *99* | | *70 - 130* |

**Lab Sample ID: LCSD 860-104923/3-A**
**Matrix: Solid**
**Analysis Batch: 104842**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 104923**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | 996 | 1007 | | mg/Kg | | 101 | 75 - 125 | 1 | 20 |
| >C12-C28 Range Hydrocarbons | 998 | 1059 | | mg/Kg | | 106 | 75 - 125 | 2 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *89* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *96* | | *70 - 130* |

**Lab Sample ID: 860-49144-12 MS**
**Matrix: Solid**
**Analysis Batch: 104842**

**Client Sample ID: 23E2848-12**
**Prep Type: Total/NA**
**Prep Batch: 104923**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.7 | U H F2 H3 | 490 | 500.5 | H H3 | mg/Kg | | 102 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | 47.2 | J H F2 H3 | 491 | 541.0 | H H3 | mg/Kg | | 101 | 75 - 125 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *91* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *99* | | *70 - 130* |

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: 860-49144-12 MSD**
**Client Sample ID: 23E2848-12**
**Matrix: Solid**
**Prep Type: Total/NA**
**Analysis Batch: 104842**
**Prep Batch: 104923**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C6-C12 Range Hydrocarbons | <41.7 | U H F2 H3 | 1880 | 1939 | H H3 F2 | mg/Kg | | 103 | 75 - 125 | 118 | 20 |
| >C12-C28 Range Hydrocarbons | 47.2 | J H F2 H3 | 1880 | 2076 | H H3 F2 | mg/Kg | | 108 | 75 - 125 | 117 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane (Surr)* | *91* | | *70 - 130* |
| *o-Terphenyl (Surr)* | *96* | | *70 - 130* |

## GC/MS Semi VOA

### Prep Batch: 330405

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-6 | 23E2848-06 | Total/NA | Solid | Organotin Prep | |
| 860-49144-7 | 23E2848-07 | Total/NA | Solid | Organotin Prep | |
| 860-49144-8 | 23E2848-08 | Total/NA | Solid | Organotin Prep | |
| 860-49144-9 | 23E2848-09 | Total/NA | Solid | Organotin Prep | |
| 860-49144-10 | 23E2848-10 | Total/NA | Solid | Organotin Prep | |
| 860-49144-11 | 23E2848-11 | Total/NA | Solid | Organotin Prep | |
| 860-49144-12 | 23E2848-12 | Total/NA | Solid | Organotin Prep | |
| 860-49144-13 | 23E2848-13 | Total/NA | Solid | Organotin Prep | |
| 860-49144-14 | 23E2848-14 | Total/NA | Solid | Organotin Prep | |
| 860-49144-15 | 23E2848-15 | Total/NA | Solid | Organotin Prep | |
| 860-49144-16 | 23E2848-16 | Total/NA | Solid | Organotin Prep | |
| 860-49144-17 | 23E2848-17 | Total/NA | Solid | Organotin Prep | |
| 860-49144-18 | 23E2848-18 | Total/NA | Solid | Organotin Prep | |
| 860-49144-24 | 23E2848-24 | Total/NA | Solid | Organotin Prep | |
| 860-49144-25 | 23E2848-25 | Total/NA | Solid | Organotin Prep | |
| 860-49144-26 | 23E2848-26 | Total/NA | Solid | Organotin Prep | |
| 860-49144-27 | 23E2848-27 | Total/NA | Solid | Organotin Prep | |
| 860-49144-28 | 23E2848-28 | Total/NA | Solid | Organotin Prep | |
| 860-49144-29 | 23E2848-29 | Total/NA | Solid | Organotin Prep | |
| 860-49144-30 | 23E2848-30 | Total/NA | Solid | Organotin Prep | |
| MB 570-330405/1-A | Method Blank | Total/NA | Solid | Organotin Prep | |
| LCS 570-330405/2-A | Lab Control Sample | Total/NA | Solid | Organotin Prep | |
| LCSD 570-330405/3-A | Lab Control Sample Dup | Total/NA | Solid | Organotin Prep | |
| 860-49144-12 MS | 23E2848-12 | Total/NA | Solid | Organotin Prep | |
| 860-49144-12 MSD | 23E2848-12 | Total/NA | Solid | Organotin Prep | |

### Prep Batch: 330477

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-31 | 23E2848-31 | Total/NA | Solid | Organotin Prep | |
| 860-49144-32 | 23E2848-32 | Total/NA | Solid | Organotin Prep | |
| 860-49144-33 | 23E2848-33 | Total/NA | Solid | Organotin Prep | |
| 860-49144-34 | 23E2848-34 | Total/NA | Solid | Organotin Prep | |
| 860-49144-35 | 23E2848-35 | Total/NA | Solid | Organotin Prep | |
| 860-49144-36 | 23E2848-36 | Total/NA | Solid | Organotin Prep | |
| MB 570-330477/1-A | Method Blank | Total/NA | Solid | Organotin Prep | |
| LCS 570-330477/2-A | Lab Control Sample | Total/NA | Solid | Organotin Prep | |
| LCSD 570-330477/3-A | Lab Control Sample Dup | Total/NA | Solid | Organotin Prep | |

### Analysis Batch: 332399

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-6 | 23E2848-06 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-7 | 23E2848-07 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-8 | 23E2848-08 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-9 | 23E2848-09 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-10 | 23E2848-10 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-11 | 23E2848-11 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-12 | 23E2848-12 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-13 | 23E2848-13 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-14 | 23E2848-14 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-15 | 23E2848-15 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-16 | 23E2848-16 | Total/NA | Solid | Organotins SIM | 330405 |

## GC/MS Semi VOA (Continued)

### Analysis Batch: 332399 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-17 | 23E2848-17 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-18 | 23E2848-18 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-25 | 23E2848-25 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-26 | 23E2848-26 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-27 | 23E2848-27 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-28 | 23E2848-28 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-29 | 23E2848-29 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-30 | 23E2848-30 | Total/NA | Solid | Organotins SIM | 330405 |
| MB 570-330405/1-A | Method Blank | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-12 MS | 23E2848-12 | Total/NA | Solid | Organotins SIM | 330405 |
| 860-49144-12 MSD | 23E2848-12 | Total/NA | Solid | Organotins SIM | 330405 |

### Analysis Batch: 333269

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-31 | 23E2848-31 | Total/NA | Solid | Organotins SIM | 330477 |
| 860-49144-32 | 23E2848-32 | Total/NA | Solid | Organotins SIM | 330477 |
| 860-49144-33 | 23E2848-33 | Total/NA | Solid | Organotins SIM | 330477 |
| 860-49144-34 | 23E2848-34 | Total/NA | Solid | Organotins SIM | 330477 |
| 860-49144-35 | 23E2848-35 | Total/NA | Solid | Organotins SIM | 330477 |
| 860-49144-36 | 23E2848-36 | Total/NA | Solid | Organotins SIM | 330477 |
| MB 570-330477/1-A | Method Blank | Total/NA | Solid | Organotins SIM | 330477 |
| LCS 570-330477/2-A | Lab Control Sample | Total/NA | Solid | Organotins SIM | 330477 |
| LCSD 570-330477/3-A | Lab Control Sample Dup | Total/NA | Solid | Organotins SIM | 330477 |

### Analysis Batch: 333761

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 570-330405/2-A | Lab Control Sample | Total/NA | Solid | Organotins SIM | 330405 |
| LCSD 570-330405/3-A | Lab Control Sample Dup | Total/NA | Solid | Organotins SIM | 330405 |

### Analysis Batch: 334018

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-24 | 23E2848-24 | Total/NA | Solid | Organotins SIM | 330405 |

## GC Semi VOA

### Analysis Batch: 104312

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-1 | 23E2848-01 | Total/NA | Solid | TX 1005 | |
| 860-49144-2 | 23E2848-02 | Total/NA | Solid | TX 1005 | |
| 860-49144-3 | 23E2848-03 | Total/NA | Solid | TX 1005 | |
| 860-49144-4 | 23E2848-04 | Total/NA | Solid | TX 1005 | |
| 860-49144-5 | 23E2848-05 | Total/NA | Solid | TX 1005 | |
| 860-49144-6 | 23E2848-06 | Total/NA | Solid | TX 1005 | |
| 860-49144-7 | 23E2848-07 | Total/NA | Solid | TX 1005 | |
| 860-49144-8 | 23E2848-08 | Total/NA | Solid | TX 1005 | |
| 860-49144-9 | 23E2848-09 | Total/NA | Solid | TX 1005 | |
| 860-49144-10 | 23E2848-10 | Total/NA | Solid | TX 1005 | |
| 860-49144-11 | 23E2848-11 | Total/NA | Solid | TX 1005 | |
| 860-49144-12 | 23E2848-12 | Total/NA | Solid | TX 1005 | |
| 860-49144-13 | 23E2848-13 | Total/NA | Solid | TX 1005 | |
| 860-49144-14 | 23E2848-14 | Total/NA | Solid | TX 1005 | |

## GC Semi VOA (Continued)

### Analysis Batch: 104312 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-15 | 23E2848-15 | Total/NA | Solid | TX 1005 | |
| 860-49144-16 | 23E2848-16 | Total/NA | Solid | TX 1005 | |
| 860-49144-17 | 23E2848-17 | Total/NA | Solid | TX 1005 | |
| 860-49144-18 | 23E2848-18 | Total/NA | Solid | TX 1005 | |
| 860-49144-19 | 23E2848-19 | Total/NA | Solid | TX 1005 | |
| 860-49144-20 | 23E2848-20 | Total/NA | Solid | TX 1005 | |
| 860-49144-21 | 23E2848-21 | Total/NA | Solid | TX 1005 | |
| 860-49144-22 | 23E2848-22 | Total/NA | Solid | TX 1005 | |
| 860-49144-23 | 23E2848-23 | Total/NA | Solid | TX 1005 | |
| 860-49144-24 | 23E2848-24 | Total/NA | Solid | TX 1005 | |
| 860-49144-25 | 23E2848-25 | Total/NA | Solid | TX 1005 | |
| 860-49144-26 | 23E2848-26 | Total/NA | Solid | TX 1005 | |
| 860-49144-27 | 23E2848-27 | Total/NA | Solid | TX 1005 | |
| 860-49144-28 | 23E2848-28 | Total/NA | Solid | TX 1005 | |
| 860-49144-29 | 23E2848-29 | Total/NA | Solid | TX 1005 | |
| 860-49144-30 | 23E2848-30 | Total/NA | Solid | TX 1005 | |
| 860-49144-31 | 23E2848-31 | Total/NA | Solid | TX 1005 | |
| 860-49144-32 | 23E2848-32 | Total/NA | Solid | TX 1005 | |
| 860-49144-33 | 23E2848-33 | Total/NA | Solid | TX 1005 | |
| 860-49144-34 | 23E2848-34 | Total/NA | Solid | TX 1005 | |
| 860-49144-35 | 23E2848-35 | Total/NA | Solid | TX 1005 | |
| 860-49144-36 | 23E2848-36 | Total/NA | Solid | TX 1005 | |

### Analysis Batch: 104456

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-2 | 23E2848-02 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-3 | 23E2848-03 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-4 | 23E2848-04 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-5 | 23E2848-05 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-6 | 23E2848-06 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-7 | 23E2848-07 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-8 | 23E2848-08 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-9 | 23E2848-09 | Total/NA | Solid | TX 1005 | 104498 |

### Analysis Batch: 104460

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-10 | 23E2848-10 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-11 | 23E2848-11 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-13 | 23E2848-13 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-14 | 23E2848-14 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-15 | 23E2848-15 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-16 | 23E2848-16 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-17 | 23E2848-17 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-18 | 23E2848-18 | Total/NA | Solid | TX 1005 | 104498 |
| 860-49144-19 | 23E2848-19 | Total/NA | Solid | TX 1005 | 104498 |

### Prep Batch: 104498

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-2 | 23E2848-02 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-3 | 23E2848-03 | Total/NA | Solid | TX_1005_S_Prep | |

## GC Semi VOA (Continued)

### Prep Batch: 104498 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-4 | 23E2848-04 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-5 | 23E2848-05 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-6 | 23E2848-06 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-7 | 23E2848-07 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-8 | 23E2848-08 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-9 | 23E2848-09 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-10 | 23E2848-10 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-11 | 23E2848-11 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-13 | 23E2848-13 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-14 | 23E2848-14 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-15 | 23E2848-15 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-16 | 23E2848-16 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-17 | 23E2848-17 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-18 | 23E2848-18 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-19 | 23E2848-19 | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-104498/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| LCS 860-104498/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Prep | |
| LCSD 860-104498/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Prep | |

### Analysis Batch: 104641

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 860-104498/1-A | Method Blank | Total/NA | Solid | TX 1005 | 104498 |
| MB 860-104716/1-A | Method Blank | Total/NA | Solid | TX 1005 | 104716 |
| LCS 860-104716/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 104716 |
| LCSD 860-104716/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 104716 |

### Analysis Batch: 104643

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-33 | 23E2848-33 | Total/NA | Solid | TX 1005 | 104716 |
| LCS 860-104498/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 104498 |
| LCSD 860-104498/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 104498 |

### Prep Batch: 104716

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-1 | 23E2848-01 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-20 | 23E2848-20 | Total/NA | Solid | TX_1005_S_Prep | |

## GC Semi VOA (Continued)

### Prep Batch: 104716 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-21 | 23E2848-21 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-22 | 23E2848-22 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-23 | 23E2848-23 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-24 | 23E2848-24 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-25 | 23E2848-25 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-26 | 23E2848-26 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-27 | 23E2848-27 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-28 | 23E2848-28 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-29 | 23E2848-29 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-30 | 23E2848-30 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-31 | 23E2848-31 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-32 | 23E2848-32 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-33 | 23E2848-33 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-34 | 23E2848-34 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-35 | 23E2848-35 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-36 | 23E2848-36 | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-104716/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| LCS 860-104716/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Prep | |
| LCSD 860-104716/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-1 MS | 23E2848-01 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-1 MSD | 23E2848-01 | Total/NA | Solid | TX_1005_S_Prep | |

### Analysis Batch: 104842

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-1 | 23E2848-01 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-12 | 23E2848-12 | Total/NA | Solid | TX 1005 | 104923 |
| 860-49144-24 | 23E2848-24 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-26 | 23E2848-26 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-27 | 23E2848-27 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-28 | 23E2848-28 | Total/NA | Solid | TX 1005 | 104716 |
| MB 860-104923/1-A | Method Blank | Total/NA | Solid | TX 1005 | 104923 |
| LCS 860-104923/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 104923 |
| LCSD 860-104923/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 104923 |
| 860-49144-1 MS | 23E2848-01 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-1 MSD | 23E2848-01 | Total/NA | Solid | TX 1005 | 104716 |

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## GC Semi VOA (Continued)

### Analysis Batch: 104842 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-12 MS | 23E2848-12 | Total/NA | Solid | TX 1005 | 104923 |
| 860-49144-12 MSD | 23E2848-12 | Total/NA | Solid | TX 1005 | 104923 |

### Analysis Batch: 104844

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-20 | 23E2848-20 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-21 | 23E2848-21 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-22 | 23E2848-22 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-23 | 23E2848-23 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-25 | 23E2848-25 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-29 | 23E2848-29 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-30 | 23E2848-30 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-31 | 23E2848-31 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-32 | 23E2848-32 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-34 | 23E2848-34 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-35 | 23E2848-35 | Total/NA | Solid | TX 1005 | 104716 |
| 860-49144-36 | 23E2848-36 | Total/NA | Solid | TX 1005 | 104716 |

### Prep Batch: 104923

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 860-49144-12 | 23E2848-12 | Total/NA | Solid | TX_1005_S_Prep | |
| MB 860-104923/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Prep | |
| LCS 860-104923/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Prep | |
| LCSD 860-104923/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-12 MS | 23E2848-12 | Total/NA | Solid | TX_1005_S_Prep | |
| 860-49144-12 MSD | 23E2848-12 | Total/NA | Solid | TX_1005_S_Prep | |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## Client Sample ID: 23E2848-01
**Lab Sample ID: 860-49144-1**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.10 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104842 | 05/25/23 14:10 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-02
**Lab Sample ID: 860-49144-2**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.07 g | 10 mL | 104498 | 05/23/23 15:00 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104456 | 05/24/23 01:05 | ELJ | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-03
**Lab Sample ID: 860-49144-3**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.12 g | 10 mL | 104498 | 05/23/23 15:00 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104456 | 05/24/23 01:24 | ELJ | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-04
**Lab Sample ID: 860-49144-4**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.41 g | 10 mL | 104498 | 05/23/23 15:00 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104456 | 05/24/23 01:44 | ELJ | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-05
**Lab Sample ID: 860-49144-5**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.39 g | 10 mL | 104498 | 05/23/23 15:00 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104456 | 05/24/23 02:23 | ELJ | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## Client Sample ID: 23E2848-06
**Lab Sample ID: 860-49144-6**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.0 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 12:12 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.13 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104456 | 05/24/23 02:43 | ELJ | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-07
**Lab Sample ID: 860-49144-7**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.0 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 12:30 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.08 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104456 | 05/24/23 03:02 | ELJ | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-08
**Lab Sample ID: 860-49144-8**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.0 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 12:49 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.67 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104456 | 05/24/23 03:22 | ELJ | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-09
**Lab Sample ID: 860-49144-9**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 5.0 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 13:07 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 20.26 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104456 | 05/24/23 03:41 | ELJ | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## Client Sample ID: 23E2848-10
**Lab Sample ID: 860-49144-10**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.2 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 13:26 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.08 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104460 | 05/24/23 04:20 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-11
**Lab Sample ID: 860-49144-11**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 5.1 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 13:44 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 20.17 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104460 | 05/24/23 01:24 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-12
**Lab Sample ID: 860-49144-12**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.1 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 19:37 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.06 g | 10 mL | 104923 | 05/25/23 16:34 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104842 | 05/26/23 01:14 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-13
**Lab Sample ID: 860-49144-13**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.0 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 14:02 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.15 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104460 | 05/24/23 01:44 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## Client Sample ID: 23E2848-14
**Lab Sample ID: 860-49144-14**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.0 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 14:21 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.23 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104460 | 05/24/23 02:03 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-15
**Lab Sample ID: 860-49144-15**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.0 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 14:40 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.31 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104460 | 05/24/23 02:43 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-16
**Lab Sample ID: 860-49144-16**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 5.0 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 14:58 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 20.41 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104460 | 05/24/23 03:02 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-17
**Lab Sample ID: 860-49144-17**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 4.8 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 15:17 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 20.48 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104460 | 05/24/23 03:22 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## Client Sample ID: 23E2848-18
**Lab Sample ID: 860-49144-18**
**Date Collected: 04/01/23 11:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 4.9 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 15:35 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 20.14 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104460 | 05/24/23 03:41 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-19
**Lab Sample ID: 860-49144-19**
**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.48 g | 10 mL | 104498 | 05/23/23 15:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104460 | 05/24/23 04:01 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-20
**Lab Sample ID: 860-49144-20**
**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.45 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/26/23 04:15 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-21
**Lab Sample ID: 860-49144-21**
**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.13 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/26/23 04:35 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-22
**Lab Sample ID: 860-49144-22**
**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.15 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/26/23 04:55 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-23
**Lab Sample ID: 860-49144-23**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.23 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/26/23 05:15 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-24
**Lab Sample ID: 860-49144-24**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.2 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 334018 | 06/02/23 21:03 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.14 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104842 | 05/25/23 16:11 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-25
**Lab Sample ID: 860-49144-25**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 4.8 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 16:12 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 20.28 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/25/23 13:50 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-26
**Lab Sample ID: 860-49144-26**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.3 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 16:31 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.01 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104842 | 05/25/23 13:50 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-27
**Lab Sample ID: 860-49144-27**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.1 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 16:49 | ULLI | EET CAL 4 |

## Client Sample ID: 23E2848-27
**Lab Sample ID: 860-49144-27**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.15 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104842 | 05/25/23 15:11 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-28
**Lab Sample ID: 860-49144-28**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 4.8 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 17:08 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 20.23 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104842 | 05/25/23 15:31 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-29
**Lab Sample ID: 860-49144-29**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.1 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 17:26 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.41 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/25/23 14:30 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-30
**Lab Sample ID: 860-49144-30**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.1 g | 1 mL | 330405 | 05/19/23 11:07 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 332399 | 05/26/23 17:45 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.23 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/25/23 14:50 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-31
**Lab Sample ID: 860-49144-31**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.1 g | 1 mL | 330477 | 05/22/23 13:49 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 333269 | 05/31/23 14:15 | ULLI | EET CAL 4 |

## Client Sample ID: 23E2848-31
**Lab Sample ID: 860-49144-31**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 5.40 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/25/23 15:11 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-32
**Lab Sample ID: 860-49144-32**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.0 g | 1 mL | 330477 | 05/22/23 13:49 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 333269 | 05/31/23 14:33 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.25 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/25/23 14:10 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-33
**Lab Sample ID: 860-49144-33**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 10.1 g | 1 mL | 330477 | 05/22/23 13:49 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 333269 | 05/31/23 14:52 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 5.11 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104643 | 05/25/23 03:50 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-34
**Lab Sample ID: 860-49144-34**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 4.8 g | 1 mL | 330477 | 05/22/23 13:49 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 333269 | 05/31/23 15:10 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 20.03 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/26/23 05:35 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-35
**Lab Sample ID: 860-49144-35**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 5.0 g | 1 mL | 330477 | 05/22/23 13:49 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 333269 | 05/31/23 15:29 | ULLI | EET CAL 4 |

# Lab Chronicle

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## Client Sample ID: 23E2848-35
**Lab Sample ID: 860-49144-35**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | TX_1005_S_Prep | | | 20.26 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/25/23 13:10 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

## Client Sample ID: 23E2848-36
**Lab Sample ID: 860-49144-36**

**Date Collected: 04/01/23 13:00**
**Matrix: Solid**
**Date Received: 05/16/23 10:36**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | Organotin Prep | | | 4.8 g | 1 mL | 330477 | 05/22/23 13:49 | UWEZ | EET CAL 4 |
| Total/NA | Analysis | Organotins SIM | | 1 | 1 mL | 1 mL | 333269 | 05/31/23 15:47 | ULLI | EET CAL 4 |
| Total/NA | Prep | TX_1005_S_Prep | | | 20.23 g | 10 mL | 104716 | 05/24/23 15:28 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104844 | 05/25/23 13:30 | MCA | EET HOU |
| Total/NA | Analysis | TX 1005 | | 1 | | | 104312 | 05/24/23 10:12 | CZT | EET HOU |

**Laboratory References:**

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

# Accreditation/Certification Summary

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

## Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Texas | NELAP | T104704215-23-50 | 06-30-23 |

## Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Arizona | State | AZ0830 | 11-16-23 |
| California | Los Angeles County Sanitation Districts | 10109 | 07-31-23 |
| California | SCAQMD LAP | 17LA0919 | 11-30-23 |
| California | State | 3082 | 07-31-24 |
| Kansas | NELAP | E-10420 | 07-31-23 |
| Nevada | State | CA00111 | 07-31-24 |
| Oregon | NELAP | 4175 | 02-02-24 |
| USDA | US Federal Programs | P330-22-00059 | 05-24-23 * |
| Washington | State | C916-18 | 10-11-23 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Method Summary

Client: North Water District Laboratory Services
Project/Site: General Project

Job ID: 860-49144-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| Organotins SIM | Organotins (GC/MS SIM) | Lab SOP | EET CAL 4 |
| TX 1005 | Texas - Total Petroleum Hydrocarbon (GC) | TCEQ | EET HOU |
| Organotin Prep | Extraction (Organotins) | None | EET CAL 4 |
| TX_1005_S_Prep | Extraction - Texas Total petroleum Hyrdocarbons | TCEQ | EET HOU |

**Protocol References:**

Lab SOP = Laboratory Standard Operating Procedure

None = None

TCEQ = Texas Commission of Environmental Quality

**Laboratory References:**

EET CAL 4 = Eurofins Calscience  Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

# Sample Summary

Client: North Water District Laboratory Services
Job ID: 860-49144-1
Project/Site: General Project

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 860-49144-1 | 23E2848-01 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-2 | 23E2848-02 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-3 | 23E2848-03 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-4 | 23E2848-04 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-5 | 23E2848-05 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-6 | 23E2848-06 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-7 | 23E2848-07 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-8 | 23E2848-08 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-9 | 23E2848-09 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-10 | 23E2848-10 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-11 | 23E2848-11 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-12 | 23E2848-12 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-13 | 23E2848-13 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-14 | 23E2848-14 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-15 | 23E2848-15 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-16 | 23E2848-16 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-17 | 23E2848-17 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-18 | 23E2848-18 | Solid | 04/01/23 11:00 | 05/16/23 10:36 |
| 860-49144-19 | 23E2848-19 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-20 | 23E2848-20 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-21 | 23E2848-21 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-22 | 23E2848-22 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-23 | 23E2848-23 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-24 | 23E2848-24 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-25 | 23E2848-25 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-26 | 23E2848-26 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-27 | 23E2848-27 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-28 | 23E2848-28 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-29 | 23E2848-29 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-30 | 23E2848-30 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-31 | 23E2848-31 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-32 | 23E2848-32 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-33 | 23E2848-33 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-34 | 23E2848-34 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-35 | 23E2848-35 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |
| 860-49144-36 | 23E2848-36 | Solid | 04/01/23 13:00 | 05/16/23 10:36 |

NWDLS

# SUBCONTRACT ORDER

6/5/2023

**Sending Laboratory:**

North Water District Laboratory Services, Inc
130 South Trade Center Parkway
Conroe, TX 77385
Phone 936-321-6060
Fax 936-321-6061

Project Manager Monica O. Martin

**Subcontracted Laboratory:**

Eurofins Xenco_Subcontract
4145 Greenbriar Drive
Stafford, TX 77477
Phone (281) 240-4200
Fax

Temp: 7.0 IR ID:HOU-343
C/F -0.4
Corrected Temp: 6.6

## Work Order: 23E2848

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23E2848-01** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-02** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-03** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH) C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-04** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| TPH 1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |





NWDLS

# SUBCONTRACT ORDER
(Continued)



## Work Order: 23E2848 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23E2848-05** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-06** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH 1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-07** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH) C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-08** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)



## Work Order: 23E2848 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23E2848-09** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-10** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-11** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-12** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)



## Work Order: 23E2848 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23E2848-13** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-14** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-15** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH 1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-16** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)



## Work Order: 23E2848 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23E2848-17** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-18** ***Tissue Sampled: 04/01/2023 11:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 11 00 | |
| TPH 1005 | 05/24/2023 | 04/15/2023 11 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-19** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH) C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-20** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| TPH 1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH) C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-21** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| TPH 1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)

6/5/2023

## Work Order: 23E2848 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23E2848-22** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-23** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied.* | | | |
| **Sample ID: 23E2848-24** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-25** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)



## Work Order: 23E2848 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23E2848-26** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH 1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH) C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-27** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH 1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-28** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-29** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |

NWDLS

# SUBCONTRACT ORDER
(Continued)



## Work Order: 23E2848 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23E2848-30** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH 1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-31** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH 1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-32** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH) C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-33** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |

NWDLS

# SUBCONTRACT ORDER
**(Continued)**



## Work Order: 23E2848 (Continued)

| Analysis | Due | Expires | Comments |
|---|---|---|---|
| **Sample ID: 23E2848-34** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-35** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s)* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH), C6-C35 | | | |
| *Containers Supplied* | | | |
| **Sample ID: 23E2848-36** ***Tissue Sampled: 04/01/2023 13:00*** | | | |
| Sub_Organotins-TX1001 | 05/24/2023 | 04/15/2023 13 00 | |
| TPH-1005 | 05/24/2023 | 04/15/2023 13 00 | |
| *Analyte(s).* | | | |
| 1-Chlorooctadecane-surr | 1-Chlorooctane-surr | | o-Terphenyl-surr |
| Total Petroleum Hydrocarbons (TPH) C6-C35 | | | |
| *Containers Supplied* | | | |



Released By — Date: 5/15/23

Received By — Date: 5/5/23 14:39

| Analyst/Date/Scale ID | BMD/05·15·23/TZ103524 | |
|---|---|---|
| Project Name | PCCA HI TISSUE CHEM PCCA CDP TISSUE CHEM | |
| Test: | OCP PCB TPH SVOA LIPIDS (OC-10) HERB OPP | |
| Batch ID | | |
| Sample Number | Sample ID | Sample Weight (g) |
| 1 | 23E2845-42 MS | 20 01 |
| 2 | -42 MSD | 20.04 |
| 3 | -42 "P" | 20.42 |
| 4 | -01 | 20 46 |
| 5 | -02 | 20·37 |
| 6 | -03 | 20 22 |
| 7 | -04 | 17.75 ① |
| 8 | -05 | 20.48 |
| 9 | -41 | 20 28 |
| 10 | -43 | 20 16 |
| 11 | -44 | 20 37 |
| 12 | -45 | 20 33 |
| 13 | 23E2848-06 | 20.03 |
| 14 | -07 | 20 08 |
| 15 | -08 | 20.53 |
| 16 | -09 | 20.26 |
| 17 | -10 | 20.27 |
| 18 | -11 | 20.17 |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |

| Analyst/Date/Scale ID | BMD/05 15 23/TZ103524 | |
|---|---|---|
| Project Name. | PCCA CDP TISSUE CHEM | |
| Test: | OCP PCB TPH SVOA LIPIDS (OC-10) HERB OPP | |
| Batch ID | | |
| Sample Number | Sample ID | Sample Weight (g) |
| 1 | 23E2848-12 MS | 20 35 |
| 2 | -12 MSD | 20 17 |
| 3 | -12 "P" | 20 11 |
| 4 | -13 | 20.23 |
| 5 | -14 | 20 15 |
| 6 | -15 | 20 53 |
| 7 | -16 | 20.41 |
| 8 | -17 | 20.48 |
| 9 | -18 | 20 14 |
| 10 | -24 | 20 47 |
| 11 | -25 | 20.28 |
| 12 | -26 | 20.37 |
| 13 | -27 | 20.09 |
| 14 | -28 | 20 23 |
| 15 | -29 | 20.09 |
| 16 | -30 | 20.09 |
| 17 | -31 | 20 33 |
| 18 | -32 | 20 01 |
| 19 | -33 | 20 02 |
| 20 | -34 | 20 03 |
| 21 | -35 | 20.26 |
| 22 | -36 | 20.23 |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |

Comments ① NOT ENOUGH REMAINS FOR 20g OF SAMPLE BMD 05 15 23



6/5/2023

| Analyst/Date/Scale ID | BMD/05 12-23/T2103515 | |
|---|---|---|
| Project Name | PCCA HI TISSUE CHEM 5 | |
| Test: | OCP PCB (TPH) SVOA LIPIDS HERB OPP | |
| Batch ID | | |
| Sample Number | Sample ID | Sample Weight (g) |
| 1 | 23E2845-01 MS | 5 50 |
| 2 | -01 MSD | 5.19 |
| 3 | -01 "p" | 5.51 |
| 4 | -02 | 5.14 |
| 5 | -03 | 5.12 |
| 6 | -04 | 5.16 |
| 7 | -05 | 5.03 |
| 8 | -16 | 5 10 |
| 9 | -17 | 5.32 |
| 10 | -18 | 5 49 |
| 11 | -19 | 5.19 |
| 12 | -20 | 5.25 |
| 13 | -31 | 5 10 |
| 14 | -32 | 5.11 |
| 15 | -33 | 5 18 |
| 16 | -34 | 5 07 |
| 17 | -35 | 5 21 |
| 18 | -41 | 5.40 |
| 19 | -42 | 5 38 |
| 20 | -43 | 5.39 |
| 21 | -44 | 5 57 |
| 22 | -45 | 5.31 |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |

| Analyst/Date/Scale ID | BMD/05 12-23/T2103515 | |
|---|---|---|
| Project Name. | PCCA HI TISSUE CHEM 4 | |
| Test: | OCP PCB (TPH) SVOA LIPIDS HERB OPP | |
| Batch ID | | |
| Sample Number | Sample ID | Sample Weight (g) |
| 1 | 23E2845-07 MS ① | 5 00 |
| 2 | -07 MSD | 5 12 |
| 3 | -07 "p" | 5 12 |
| 4 | -06 | 5 25 |
| 5 | -08 | 5 27 |
| 6 | -09 | 5.08 |
| 7 | -10 | 5.30 |
| 8 | -26 | 5 15 |
| 9 | -27 | 5 10 |
| 10 | -28 | 5.23 |
| 11 | -29 | 5.48 |
| 12 | -30 | 5 16 |
| 13 | -46 | 5.33 |
| 14 | -47 | 5 44 |
| 15 | -48 | 5 55 |
| 16 | -49 | 5 45 |
| 17 | -50 | 5.10 |
| 18 | -66 | 5 35 |
| 19 | -67 | 5.59 |
| 20 | -68 | 5 47 |
| 21 | -69 | 5 29 |
| 22 | -70 | 5.37 |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |

① IL BMD 05 12 23 (23E2845-07)

Comments

| Analyst/Date/Scale ID | BMD/05 12 23/ T2103515 | |
|---|---|---|
| Project Name: | PCCA HI TISSUE CHEM 6 | |
| Test: | OCP PCB (TPH) SVOA LIPIDS HERB OPP | |
| Batch ID | | |
| Sample Number | Sample ID | Sample Weight (g) |
| 1 | 23E2845-37 MS | 5 07 |
| 2 | -37MSD | 5.23 |
| 3 | -37 "p" | 5.19 |
| 4 | -36 | 5.15 |
| 5 | -38 | 5.23 |
| 6 | -39 | 5.04 |
| 7 | -40 | 5.16 |
| 8 | -56 | 5.28 |
| 9 | -57 | 5 51 |
| 10 | -58 | 5.47 |
| 11 | -59 | 5.52 |
| 12 | -60 | 5.57 |
| 13 | -71 | 5.12 |
| 14 | -72 | 5 46 |
| 15 | -73 | 5.26 |
| 16 | -74 | 5 13 |
| 17 | -75 | 5.26 |
| 18 | -76 | 5.35 |
| 19 | -77 | 5 29 |
| 20 | -78 | 5 16 |
| 21 | -79 | 5 09 |
| 22 | -80 | 5 30 |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |

| Analyst/Date/Scale ID | BMD/05 12 23/ T2103515 | |
|---|---|---|
| Project Name: | PCCA ① HI ~~GPP~~ TISSUE CHEM 3 | |
| Test: | OCP PCB (TPH) SVOA LIPIDS HERB OPP | |
| Batch ID | | |
| Sample Number | Sample ID | Sample Weight (g) |
| 1 | 23E2845-12 MS | 5.01 |
| 2 | -12 MSD | 5.04 |
| 3 | -12 "p" | 5.02 |
| 4 | -11 | 5.24 |
| 5 | -13 | 5.07 |
| 6 | -14 | 5 22 |
| 7 | -15 | 5.02 |
| 8 | -21 | 5 19 |
| 9 | -22 | 5 15 |
| 10 | -23 | 5 32 |
| 11 | -24 | 5 10 |
| 12 | -25 | 5 02 |
| 13 | -51 | 5 37 |
| 14 | -52 | 5 46 |
| 15 | -53 | 5 54 |
| 16 | -54 | 5 39 |
| 17 | -55 | 5 38 |
| 18 | -61 | 5 21 |
| 19 | -62 | 5 18 |
| 20 | -63 | 5.02 |
| 21 | -64 | 5 51 |
| 22 | -65 | 5.43 |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |

Comments

① IE BMD 05.12.23 [PCCA HI TISSUE CHEM]

| Analyst/Date/Scale ID | BMD 05 12/23/TZ103515 2 | |
|---|---|---|
| Project Name | PCCA CDP TISSUE CHEM | |
| Test: | OCP PCB (TPH) SVOA LIPIDS HERB OPP | |
| Batch ID | | |
| Sample Number | Sample ID | Sample Weight (g) |
| 1 | 23E2848-01 MS | 5.53 |
| 2 | -01 MSD | 5 13 |
| 3 | -01 4P" | 5.10 |
| 4 | -02 | 5 07 |
| 5 | -03 | 5 12 |
| 6 | -04 | 5 41 |
| 7 | -05 | 5 39 |
| 8 | -06 | 5 13 |
| 9 | -07 | 5 08 |
| 10 | -08 | 5 67 |
| 11 | -09 | 5 14 |
| 12 | -10 | 5.08 |
| 13 | -19 | 5.48 |
| 14 | -20 | 5 45 |
| 15 | -21 | 5 13 |
| 16 | -22 | 5 15 |
| 17 | -23 | 5 23 |
| 18 | -24 | 5 14 |
| 19 | -25 | 5.16 |
| 20 | -26 | 5 01 |
| 21 | -27 | 5 15 |
| 22 | -28 | 5.06 |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |

| Analyst/Date/Scale ID | BMD 05 12 23/TZ103515 1 | |
|---|---|---|
| Project Name | PCCA CDP TISSUE CHEM | |
| Test: | OCP PCB (TPH) SVOA LIPIDS HERB OPP | |
| Batch ID | | |
| Sample Number | Sample ID | Sample Weight (g) |
| 1 | 23E2848-12 MS | 5 25 |
| 2 | -12 MSD | 5 30 |
| 3 | -12 4P" | 5 06 |
| 4 | -11 | 5 33 |
| 5 | -13 | 5 15 |
| 6 | -14 | 5 23 |
| 7 | -15 | 5.31 |
| 8 | -16 | 5.69 |
| 9 | -17 | 5 06 |
| 10 | -18 | 5.08 |
| 11 | -29 ① | 5 41 |
| 12 | -30 | 5.23 |
| 13 | -31 | 5.40 |
| 14 | -32 | 5 25 |
| 15 | -33 | 5 11 |
| 16 | -34 | 5.07 |
| 17 | -35 | 5 14 |
| 18 | -36 | 5.07 |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| 28 | | |

① IC BMD 05 12.23 (23E2848-29)

Comments




**After printing this label:**
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning**: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



**Eurofins Houston**
4145 Greenbriar Dr
Stafford, TX 77477
Phone: 281-240-4200

# Chain of Custody Record

eurofins | Em

Loc: 860
**49144**

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Richter, Travis W | Carrier Tracking No(s): | COC No: 860-25042.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: Travis.Richter@et.eurofinsus.com | State of Origin: Texas | Page: Page 1 of 4 |
| Company: Eurofins Environment Testing Southwest, | | Accreditations Required (See note): NELAP - Texas | | Job #: 860-49144-1 |
| Address: 2841 Dow Avenue, Suite 100, , | Due Date Requested: 5/30/2023 | | | Preservation Codes: |
| City: Tustin | TAT Requested (days): | | | A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - H, N - N, O - A, P - N, Q - N, R - N, S - H, T - T, U - A, V - M, W - I, Y - T, Z - o, Other: |
| State, Zip: CA, 92780 | | | | |
| Phone: 714-895-5494(Tel) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: General Project | Project #: 86003488 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Organotins_SIM/OrgTin_S_P Organotins (GC/MS SIM) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| 23E2848-06 (860-49144-6) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-07 (860-49144-7) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-08 (860-49144-8) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-09 (860-49144-9) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-10 (860-49144-10) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-11 (860-49144-11) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-12 (860-49144-12) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-12 (860-49144-12MS) | 4/1/23 | 11:00 Central | MS | Solid | | | X | 1 | |
| 23E2848-12 (860-49144-12MSD) | 4/1/23 | 11:00 Central | MSD | Solid | | | X | 1 | |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| Unconfirmed | ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| S Cook | 5/16/23 17:43 | ET | | 5/17/23 9:35 | IEC |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.1 / 2.3 SCG |
|---|---|---|

Ver: 06/08/2021

860-49144 Chain of Custody

**Eurofins Houston**
4145 Greenbriar Dr
Stafford, TX 77477
Phone: 281-240-4200

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Richter, Travis W | Carrier Tracking No(s): | COC No: 860-25042.2 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: Travis.Richter@et.eurofinsus.com | State of Origin: Texas | Page: Page 2 of 4 |
| Company: Eurofins Environment Testing Southwest, | | Accreditations Required (See note): NELAP - Texas | | Job #: 860-49144-1 |
| Address: 2841 Dow Avenue, Suite 100, , | Due Date Requested: 5/30/2023 | | | |
| City: Tustin | TAT Requested (days): | | | |
| State, Zip: CA, 92780 | | | | |
| Phone: 714-895-5494(Tel) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: General Project | Project #: 86003488 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Organotins_SIM/OrgTin_S_P Organotins (GC/MS SIM) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| 23E2848-13 (860-49144-13) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-14 (860-49144-14) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-15 (860-49144-15) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-16 (860-49144-16) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-17 (860-49144-17) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-18 (860-49144-18) | 4/1/23 | 11:00 Central | | Solid | | | X | 1 | |
| 23E2848-24 (860-49144-24) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |
| 23E2848-25 (860-49144-25) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |
| 23E2848-26 (860-49144-26) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| *Possible Hazard Identification* | *Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)* |
|---|---|
| *Unconfirmed* | ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| 1 | S. Couch | 5/16/23 1743 | ET | | 5/17/23 9:35 | EEC |
| 2 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| 3 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2-1 / 2-3 SC6 |
|---|---|---|

Ver: 06/08/2021

**Eurofins Houston**
4145 Greenbriar Dr
Stafford, TX 77477
Phone: 281-240-4200

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Richter, Travis W | Carrier Tracking No(s): | COC No: 860-25042.3 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: Travis.Richter@et.eurofinsus.com | State of Origin: Texas | Page: Page 3 of 4 |
| Company: Eurofins Environment Testing Southwest, | | Accreditations Required (See note): NELAP - Texas | | Job #: 860-49144-1 |
| Address: 2841 Dow Avenue, Suite 100, , | Due Date Requested: 5/30/2023 | | | |
| City: Tustin | TAT Requested (days): | | | |
| State, Zip: CA, 92780 | | | | |
| Phone: 714-895-5494(Tel) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: General Project | Project #: 86003488 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Organotins_SIM/OrgTin_S_P Organotins (GC/MS SIM) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| 23E2848-27 (860-49144-27) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |
| 23E2848-28 (860-49144-28) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |
| 23E2848-29 (860-49144-29) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |
| 23E2848-30 (860-49144-30) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |
| 23E2848-31 (860-49144-31) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |
| 23E2848-32 (860-49144-32) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |
| 23E2848-33 (860-49144-33) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |
| 23E2848-34 (860-49144-34) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |
| 23E2848-35 (860-49144-35) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| *Possible Hazard Identification* | *Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)* |
|---|---|
| *Unconfirmed* | ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| [signature] | 5/16/23 17:43 | ET | [signature] | 5/17/23 9:35 | BC |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.1/2.3 SCC |
|---|---|---|

Ver: 06/08/2021

**Eurofins Houston**
4145 Greenbriar Dr
Stafford, TX 77477
Phone: 281-240-4200

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Richter, Travis W | Carrier Tracking No(s): | COC No: 860-25042.4 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: Travis.Richter@et.eurofinsus.com | State of Origin: Texas | Page: Page 4 of 4 |
| Company: Eurofins Environment Testing Southwest, | | Accreditations Required (See note): NELAP - Texas | | Job #: 860-49144-1 |
| Address: 2841 Dow Avenue, Suite 100, , | Due Date Requested: 5/30/2023 | | | |
| City: Tustin | TAT Requested (days): | | | |
| State, Zip: CA, 92780 | | | | |
| Phone: 714-895-5494(Tel) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: General Project | Project #: 86003488 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Organotins_SIM/OrgTin_S_P Organotins (GC/MS SIM) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| 23E2848-36 (860-49144-36) | 4/1/23 | 13:00 Central | | Solid | | | X | 1 | |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| *Possible Hazard Identification* | *Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)* |
|---|---|
| *Unconfirmed* | ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| S. Couch | 5/16/23 17:43 | ET | | 5/17/23 9:35 | TEC |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.1/2.3 SC6 |
|---|---|---|

Ver: 06/08/2021

# Login Sample Receipt Checklist

Client: North Water District Laboratory Services

Job Number: 860-49144-1

**Login Number: 49144**

**List Source: Eurofins Houston**

**List Number: 1**

**Creator: Coch, Stephanie**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | False | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |

# Login Sample Receipt Checklist

Client: North Water District Laboratory Services

Job Number: 860-49144-1

**Login Number: 49144**
**List Number: 2**
**Creator: Khana, Piyush**

**List Source: Eurofins Calscience**
**List Creation: 05/17/23 06:09 PM**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | 2127816 |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 2.3 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | Received project as a subcontract. |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# APPENDIX F

# STATISTICAL CALCULATIONS

**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

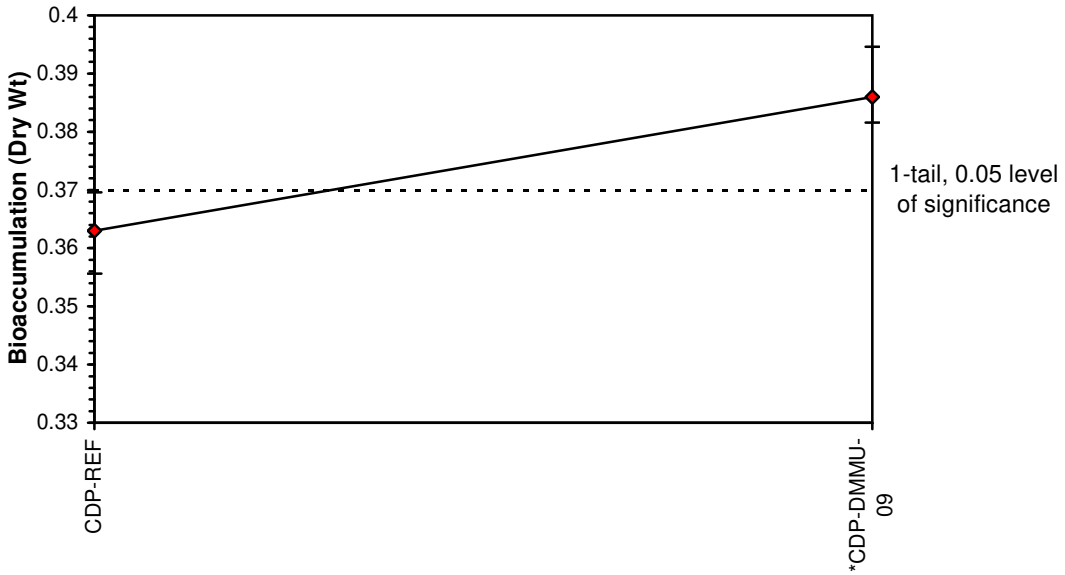
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | CD-DW-AV | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Cadmium, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.3600 | 0.3680 | 0.3700 | 0.3630 | 0.3560 |
| CDP-DMMU-09 | 0.3820 | 0.3950 | 0.3880 | 0.3830 | 0.3840 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.3634 | 0.0000 | 0.3634 | 0.3560 | 0.3700 | 1.576 | 5 | | | |
| CDP-DMMU-09 | 0.3864 | 0.0361 | 0.3864 | 0.3820 | 0.3950 | 1.377 | 5 | 6.579 | 1.860 | 0.0065 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.94622 | | 0.842 | | 0.43389 | -0.9369 |
| F-Test indicates equal variances (p = 0.89) | 1.15901 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | 0.0065 | 0 | 0.00132 | 3.1E-05 | 1.7E-04 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | CD-DW-AV | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Cadmium, mg/kg | | | | |

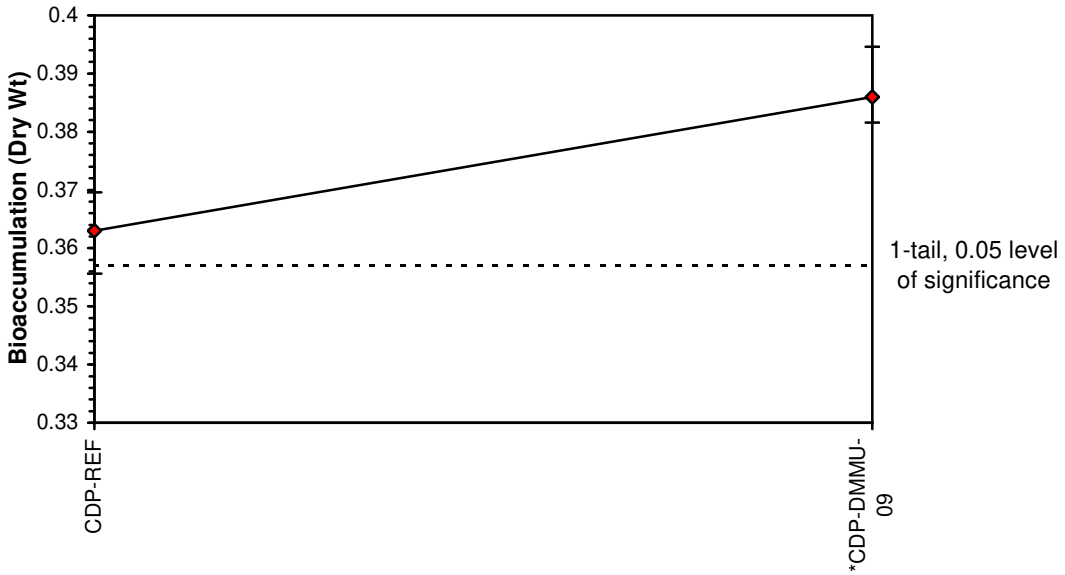
| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.3600 | 0.3680 | 0.3700 | 0.3630 | 0.3560 |
| CDP-DMMU-09 | 0.3820 | 0.3950 | 0.3880 | 0.3830 | 0.3840 |

| | | | Transform: Reciprocal | | | | | | 1-Tailed | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.3634 | 0.0000 | 2.7523 | 2.7027 | 2.8090 | 1.578 | 5 | | | |
| CDP-DMMU-09 | 0.3864 | 0.0361 | 2.5884 | 2.5316 | 2.6178 | 1.361 | 5 | 6.555 | 1.860 | 0.0465 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.94366 | 0.842 | -0.2938 | -0.9832 |
| F-Test indicates equal variances (p = 0.69) | 1.51983 | 23.1539 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | -0.006 | 0 | 0.0672 | 0.00156 | 1.8E-04 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

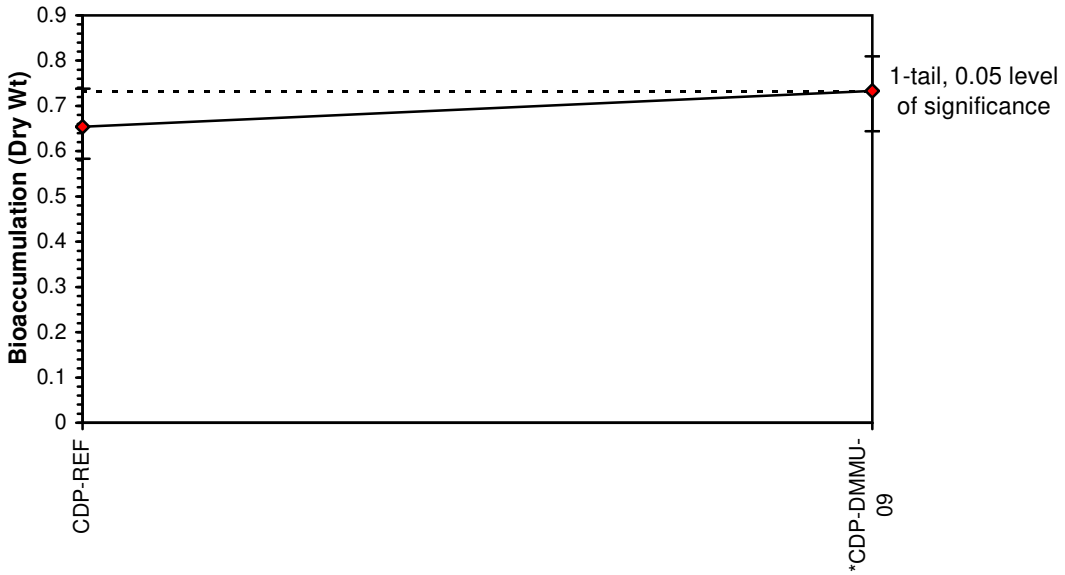
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Pb-DW-AV | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Lead, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.6730 | 0.6090 | 0.5830 | 0.6650 | 0.7380 |
| CDP-DMMU-09 | 0.6440 | 0.6660 | 0.8090 | 0.7660 | 0.7790 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.6536 | 0.0000 | 0.6536 | 0.5830 | 0.7380 | 9.244 | 5 | | | |
| CDP-DMMU-09 | 0.7328 | 0.2286 | 0.7328 | 0.6440 | 0.8090 | 9.979 | 5 | 1.867 | 1.860 | 0.0789 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.9177 | | 0.842 | | -0.138 | -1.5928 |
| F-Test indicates equal variances (p = 0.72) | 1.4648 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | 0.07889 | 0 | 0.01568 | 0.0045 | 0.09887 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

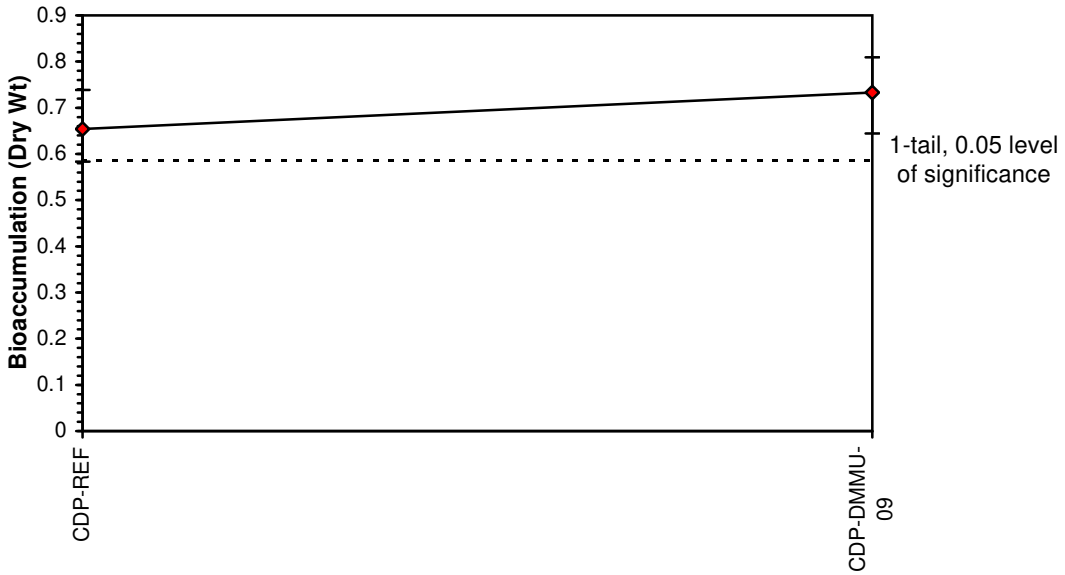
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Pb-DW-AV | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Lead, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.6730 | 0.6090 | 0.5830 | 0.6650 | 0.7380 |
| CDP-DMMU-09 | 0.6440 | 0.6660 | 0.8090 | 0.7660 | 0.7790 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.6536 | 0.0000 | 1.5404 | 1.3550 | 1.7153 | 9.157 | 5 | | | |
| CDP-DMMU-09 | 0.7328 | 0.2286 | 1.3759 | 1.2361 | 1.5528 | 10.283 | 5 | 1.841 | 1.860 | 0.1661 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.9038 | | 0.842 | | 0.20362 | -1.6068 |
| F-Test indicates equal variances (p = 1.00) | 1.00606 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates no significant differences | -0.0632 | 0 | 0.06763 | 0.01996 | 0.10291 | 1, 8 |
| Treatments vs CDP-REF | | | | | | |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

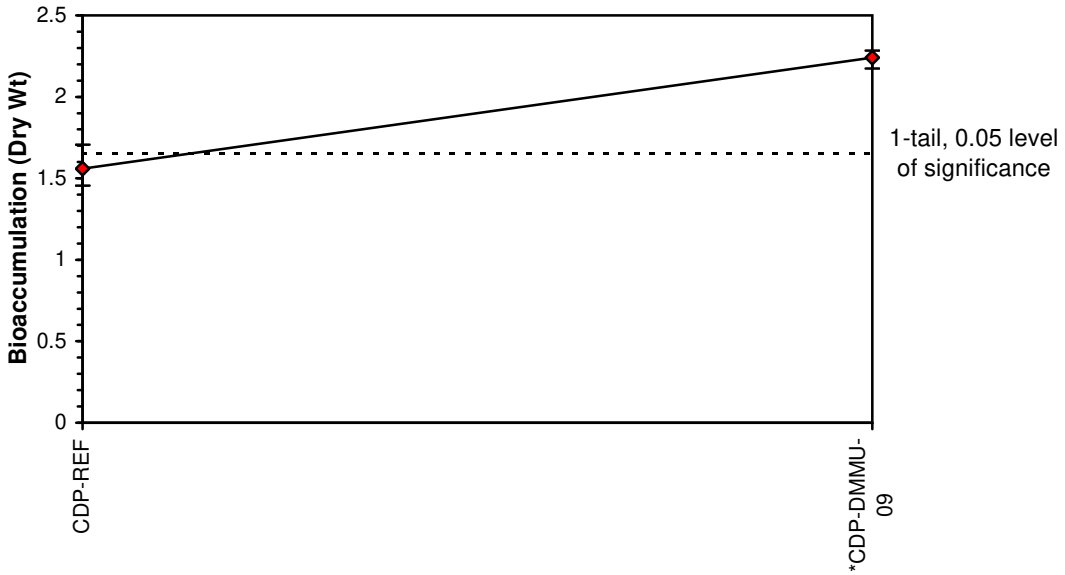
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Ni-DW-AV | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Nickel, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 1.7100 | 1.6100 | 1.4600 | 1.5400 | 1.5000 |
| CDP-DMMU-09 | 2.2600 | 2.2800 | 2.2200 | 2.2500 | 2.1700 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 1.5640 | 0.0000 | 1.5640 | 1.4600 | 1.7100 | 6.307 | 5 | | | |
| CDP-DMMU-09 | 2.2360 | -1.1915 | 2.2360 | 2.1700 | 2.2800 | 1.913 | 5 | 13.976 | 1.860 | 0.0894 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.95853 | | 0.842 | | 0.61052 | 0.75478 |
| F-Test indicates equal variances (p = 0.13) | 5.31694 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | 0.08941 | 0 | 1.12896 | 0.00578 | 6.7E-07 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

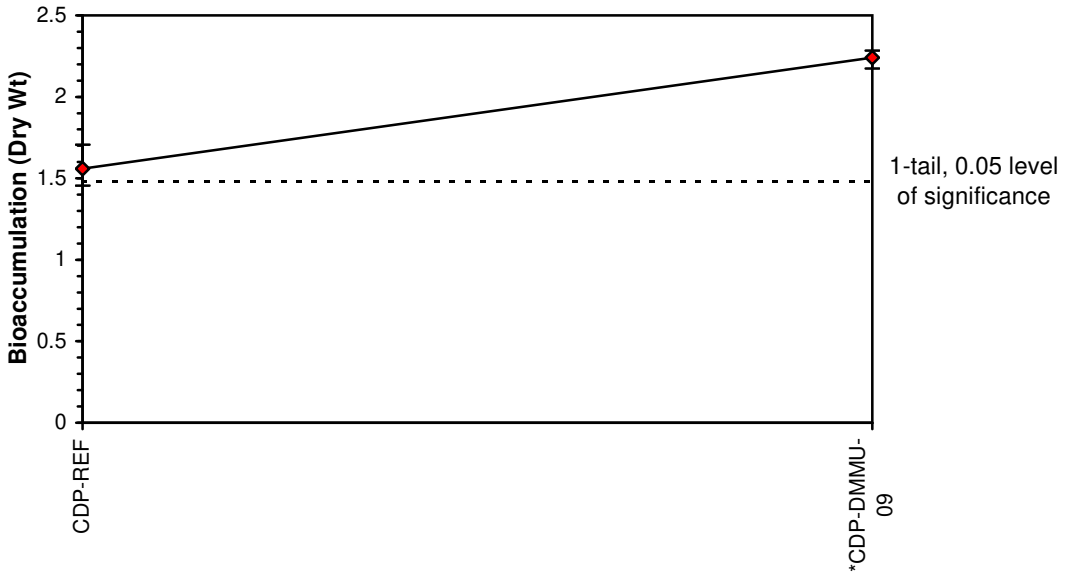
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Ni-DW-AV | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Nickel, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 1.7100 | 1.6100 | 1.4600 | 1.5400 | 1.5000 |
| CDP-DMMU-09 | 2.2600 | 2.2800 | 2.2200 | 2.2500 | 2.1700 |

| | | | Transform: Reciprocal | | | | | | 1-Tailed | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 1.5640 | 0.0000 | 0.6414 | 0.5848 | 0.6849 | 6.144 | 5 | | | |
| CDP-DMMU-09 | 2.2360 | -1.1915 | 0.4474 | 0.4386 | 0.4608 | 1.936 | 5 | 10.752 | 1.860 | 0.0336 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.95914 | | 0.842 | | -0.6309 | 1.69174 |
| F-Test indicates equal variances (p = 0.01) | 20.6991 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | -0.0775 | 0 | 0.0941 | 0.00081 | 4.9E-06 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Zn-DW-AV | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Zinc, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 100.00 | 235.00 | 76.70 | 523.00 | 80.20 |
| CDP-DMMU-09 | 189.00 | 500.00 | 819.00 | 214.00 | 264.00 |

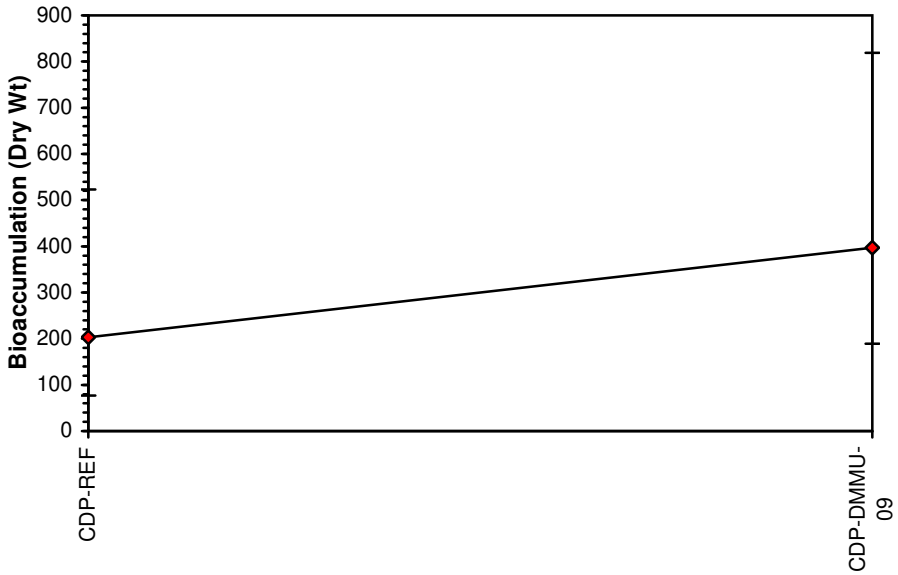
| | | | Transform: Untransformed | | | | | Rank | 1-Tailed |
|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | Sum | Critical |
| CDP-REF | 202.98 | 0.0000 | 202.98 | 76.70 | 523.00 | 93.820 | 5 | | |
| CDP-DMMU-09 | 397.20 | -0.9616 | 397.20 | 189.00 | 819.00 | 66.982 | 5 | 21.00 | 19.00 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.05) | 0.83474 | 0.842 | 1.15691 | 0.11222 |
| F-Test indicates equal variances (p = 0.53) | 1.95179 | 23.1539 | | |

**Hypothesis Test (1-tail, 0.05)**

Wilcoxon Two-Sample Test indicates no significant differences
Treatments vs CDP-REF

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

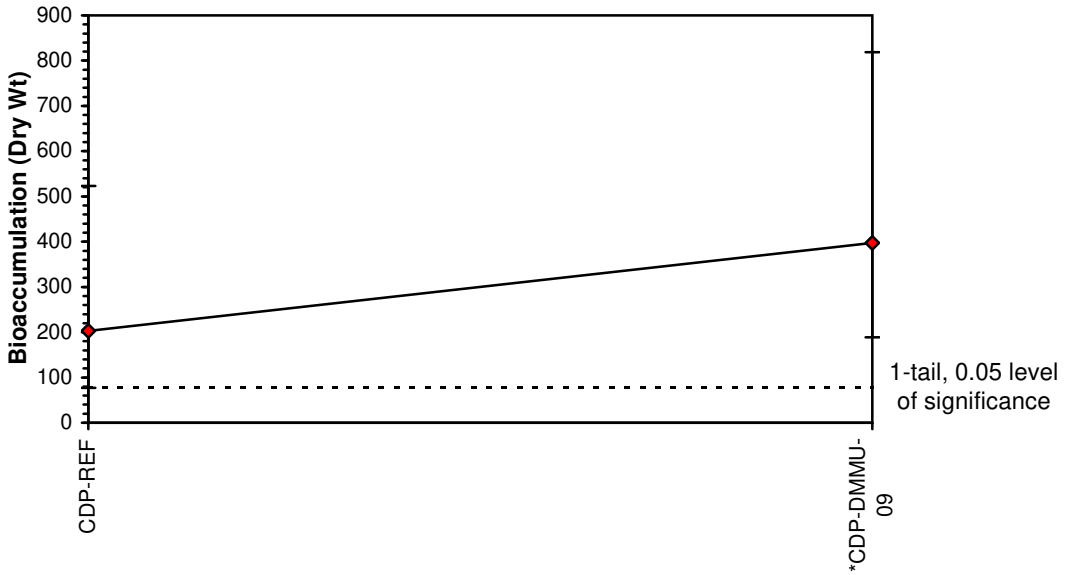
| | | | |
|---|---|---|---|
| Start Date: | Test ID: Zn-DW-AV | Sample ID: | CDP |
| End Date: | Lab ID: NWDLS | Sample Type: | MARINE SED |
| Sample Date: | Protocol: EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: Zinc, mg/kg | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 100.00 | 235.00 | 76.70 | 523.00 | 80.20 |
| CDP-DMMU-09 | 189.00 | 500.00 | 819.00 | 214.00 | 264.00 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 202.98 | 0.0000 | 0.0083 | 0.0019 | 0.0130 | 59.952 | 5 | | | |
| CDP-DMMU-09 | 397.20 | -0.9616 | 0.0034 | 0.0012 | 0.0053 | 51.140 | 5 | 2.088 | 1.860 | 0.0044 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.96063 | | 0.842 | | -0.499 | -0.375 |
| F-Test indicates equal variances (p = 0.06) | 8.28531 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | -41.448 | 0 | 6.1E-05 | 1.4E-05 | 0.0702 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | |
|---|---|---|---|
| Start Date: | Test ID: TPH-DW-AV | Sample ID: | CDP |
| End Date: | Lab ID: NWDLS | Sample Type: | MARINE SED |
| Sample Date: | Protocol: EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Total Petroleum Hydrocarbons, mg/kg | | |

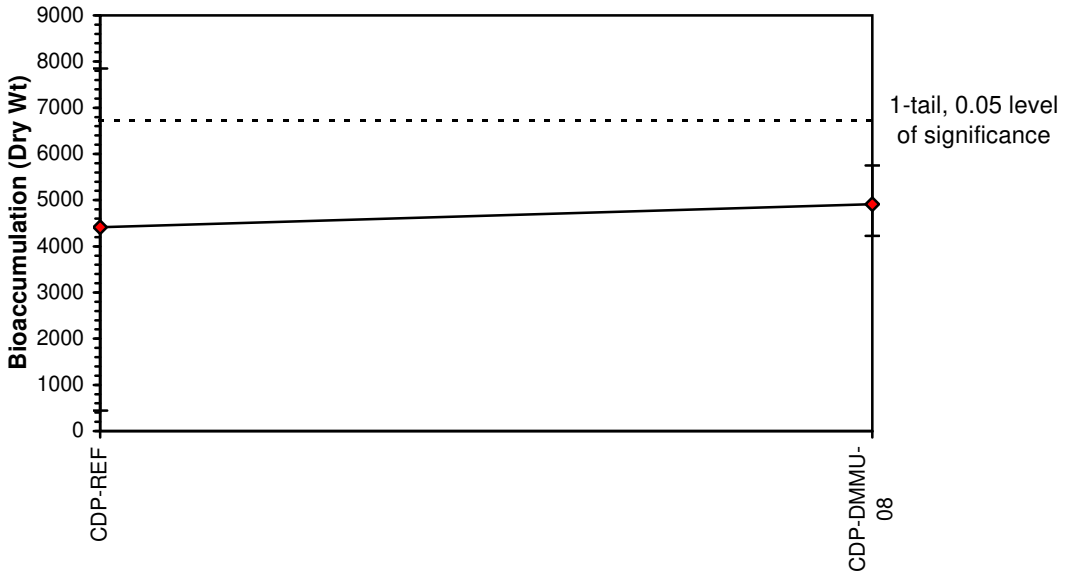
| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 5547 | 7846 | 4441 | 436 | 3766 |
| CDP-DMMU-08 | 4633 | 4219 | 5748 | 5372 | 4554 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 4407.2 | 0.0000 | 4407.2 | 436 | 7846 | 61.418 | 5 | | | |
| CDP-DMMU-08 | 4905.2 | -0.1130 | 4905.2 | 4219 | 5748 | 12.880 | 5 | 0.401 | 1.860 | 2311.52 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.90333 | 0.842 | -0.446 | 2.90208 |
| F-Test indicates equal variances (p = 0.02) | 18.3569 | 23.1539 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Homoscedastic t Test indicates no significant differences Treatments vs CDP-REF | 2311.52 | 0 | 620010 | 3862965 | 0.69918 | 1, 8 |

**Dose-Response Plot**



## Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)

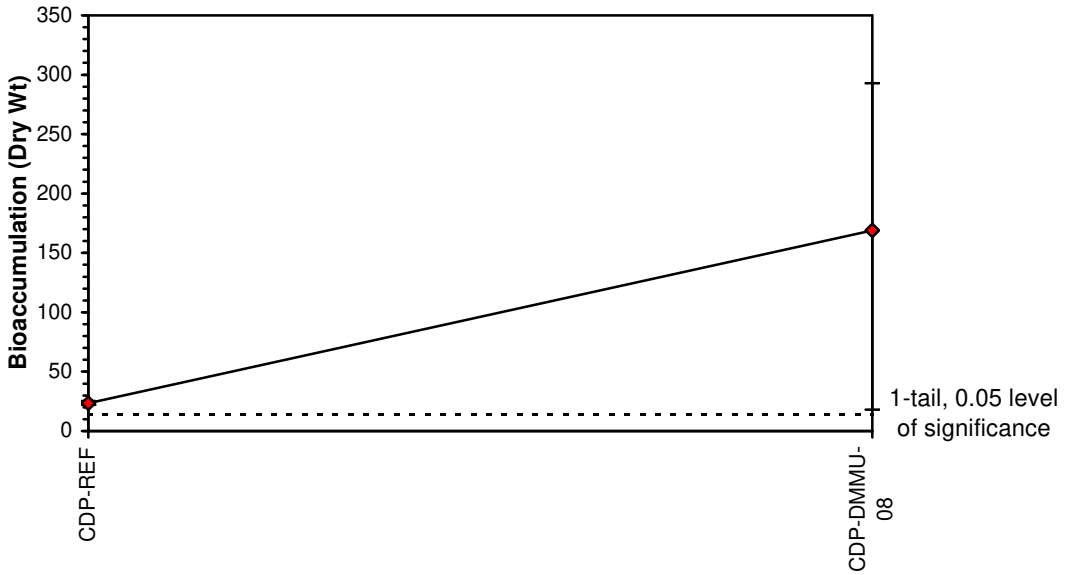
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | B2P-DW-AV | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Bis-2-etylhexyl phthalate, umg/kg | | | | |

| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 22.90 | 25.40 | 23.00 | 23.90 | 22.20 |
| CDP-DMMU-08 | 18.20 | 284.00 | 293.00 | 231.00 | 18.20 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 23.48 | 0.0000 | 0.0427 | 0.0394 | 0.0450 | 5.088 | 5 | | | |
| CDP-DMMU-08 | 168.88 | -6.4680 | 0.0242 | 0.0034 | 0.0549 | 115.723 | 5 | 1.467 | 2.132 | 0.0268 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.84992 | | 0.842 | | 0.67726 | -0.2622 |
| F-Test indicates unequal variances (p = 2.12E-04) | 166.702 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Heteroscedastic t Test indicates no significant differences | -9.0402 | 0 | 0.00085 | 0.0004 | 0.18059 | 1, 8 |
| Treatments vs CDP-REF | | | | | | |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | B2P-DW-AV | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Bis-2-etylhexyl phthalate, umg/kg | | | | |

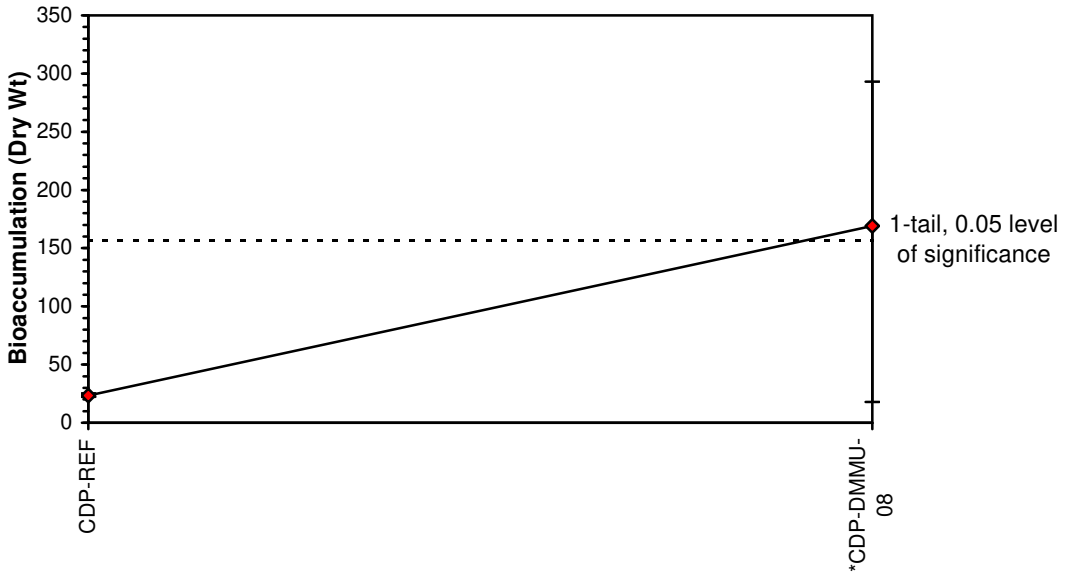
| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 22.90 | 25.40 | 23.00 | 23.90 | 22.20 |
| CDP-DMMU-08 | 18.20 | 284.00 | 293.00 | 231.00 | 18.20 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 23.48 | 0.0000 | 23.480 | 22.200 | 25.400 | 5.246 | 5 | | | |
| CDP-DMMU-08 | 168.88 | -6.4680 | 168.880 | 18.200 | 293.000 | 82.648 | 5 | 2.329 | 2.132 | 133.076 |

| Auxiliary Tests | Statistic | Critical | | Skew | Kurt |
|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.86141 | 0.842 | | -0.5455 | -0.0929 |
| F-Test indicates unequal variances (p = 3.64E-08) | 12842.2 | 23.1539 | | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Heteroscedastic t Test indicates significant differences Treatments vs CDP-REF | 133.076 | 0 | 52852.9 | 9741.53 | 0.04822 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | DBP-DW-AV | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Di-n-Butyl phthalate, umg/kg | | | | |

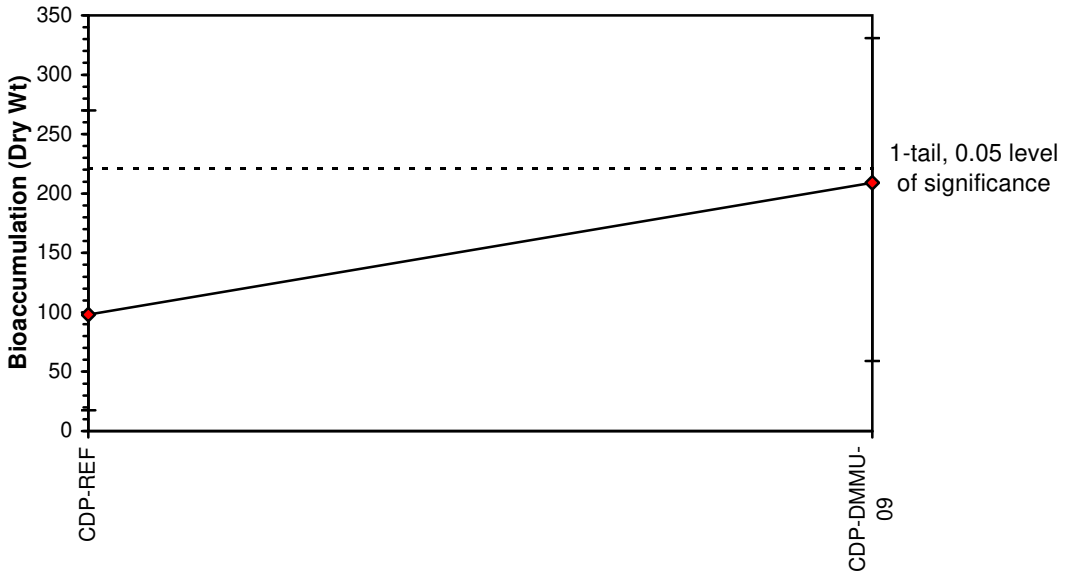
| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 17.50 | 26.70 | 44.30 | 132.00 | 270.00 |
| CDP-DMMU-09 | 241.00 | 58.20 | 251.00 | 162.00 | 331.00 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 98.10 | 0.0000 | 98.100 | 17.500 | 270.000 | 108.345 | 5 | | | |
| CDP-DMMU-09 | 208.64 | -1.1384 | 208.640 | 58.200 | 331.000 | 49.475 | 5 | 1.668 | 1.860 | 123.214 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.95795 | 0.842 | 0.36186 | -0.4495 |
| F-Test indicates equal variances (p = 0.96) | 1.06022 | 23.1539 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Homoscedastic t Test indicates no significant differences Treatments vs CDP-REF | 123.214 | 0 | 30547.7 | 10976.1 | 0.13382 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | |
|---|---|---|---|
| Start Date: | Test ID: TP-DW-AV | Sample ID: | CDP |
| End Date: | Lab ID: NWDLS | Sample Type: | MARINE SED |
| Sample Date: | Protocol: EPADM91-EPA 503/8-91/001 | Test Species: | AV |

Comments: Total Phenols, umg/kg

| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 888 | 344 | 319 | 290 | 305 |
| CDP-08 | 895 | 855 | 999 | 936 | 1160 |
| CDP-09 | 1030 | 1120 | 1200 | 1660 | 1100 |

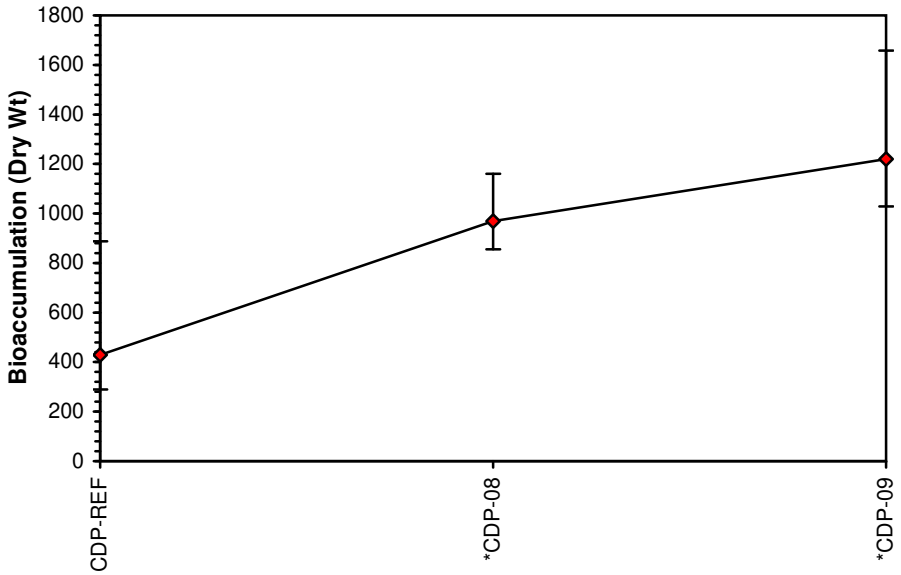
| | | | Transform: Untransformed | | | | | Rank | 1-Tailed |
|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | Sum | Critical |
| CDP-REF | 429.2 | 0.0000 | 429.2 | 290 | 888 | 59.936 | 5 | | |
| *CDP-08 | 969 | -1.2606 | 969 | 855 | 1160 | 12.313 | 5 | 16.00 | 18.00 |
| *CDP-09 | 1222 | -1.8515 | 1222 | 1030 | 1660 | 20.641 | 5 | 15.00 | 18.00 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.05) | 0.74155 | 0.881 | 1.66988 | 1.75604 |
| Bartlett's Test indicates equal variances (p = 0.33) | 2.20778 | 9.21035 | | |

**Hypothesis Test (1-tail, 0.05)**

Steel's Many-One Rank Test indicates significant differences
Treatments vs CDP-REF

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | |
|---|---|---|---|
| Start Date: | Test ID: TP-DW-AV | Sample ID: | CDP |
| End Date: | Lab ID: NWDLS | Sample Type: | MARINE SED |
| Sample Date: | Protocol: EPADM91-EPA 503/8-91/001 | Test Species: | AV |

Comments: Total Phenols, umg/kg

| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 888 | 344 | 319 | 290 | 305 |
| CDP-08 | 895 | 855 | 999 | 936 | 1160 |
| CDP-09 | 1030 | 1120 | 1200 | 1660 | 1100 |

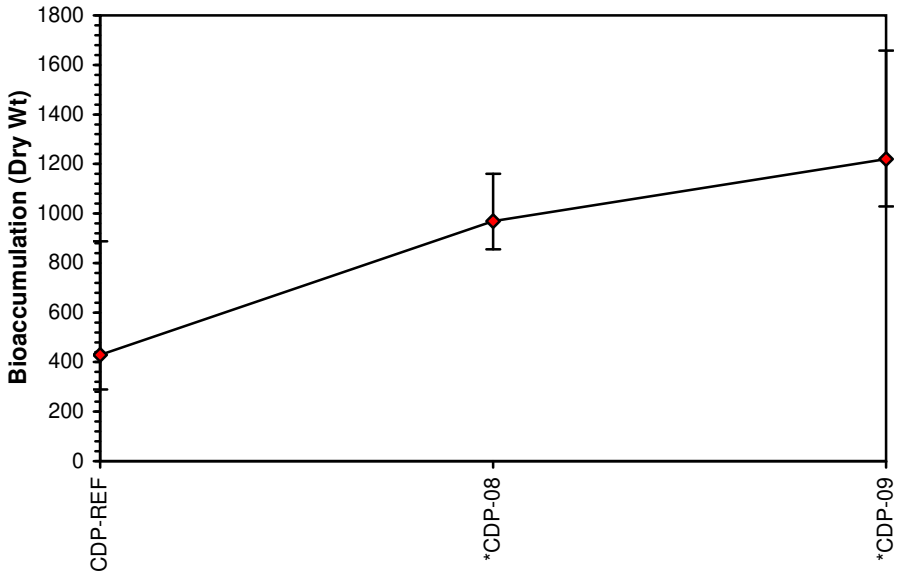
| | | | Transform: Reciprocal | | | | | Rank | 1-Tailed |
|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | Sum | Critical |
| CDP-REF | 429.2 | 0.0000 | 0.0028 | 0.0011 | 0.0034 | 34.008 | 5 | | |
| *CDP-08 | 969 | -1.2606 | 0.0010 | 0.0009 | 0.0012 | 11.407 | 5 | 16.00 | 18.00 |
| *CDP-09 | 1222 | -1.8515 | 0.0008 | 0.0006 | 0.0010 | 16.924 | 5 | 15.00 | 18.00 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.05) | 0.72039 | 0.881 | -2.4515 | 8.3515 |
| Bartlett's Test indicates unequal variances (p = 1.95E-04) | 17.0843 | 9.21035 | | |

**Hypothesis Test (1-tail, 0.05)**

Steel's Many-One Rank Test indicates significant differences
Treatments vs CDP-REF

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

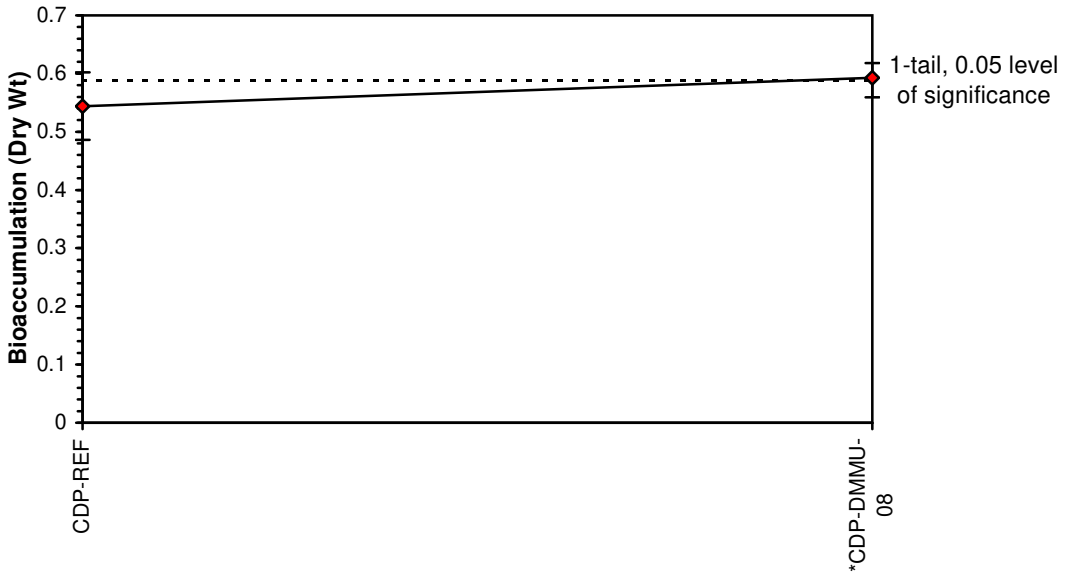
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | CD-DW-MM | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Cadmium, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.5580 | 0.5150 | 0.4860 | 0.6020 | 0.5580 |
| CDP-DMMU-08 | 0.6040 | 0.6180 | 0.5690 | 0.5590 | 0.6140 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.5438 | 0.0000 | 0.5438 | 0.4860 | 0.6020 | 8.204 | 5 | | | |
| CDP-DMMU-08 | 0.5928 | 0.1074 | 0.5928 | 0.5590 | 0.6180 | 4.557 | 5 | 2.101 | 1.860 | 0.0434 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.94628 | | 0.842 | | -0.1298 | -0.5082 |
| F-Test indicates equal variances (p = 0.35) | 2.72742 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | 0.04337 | 0 | 0.006 | 0.00136 | 0.06884 | 1, 8 |

**Dose-Response Plot**



## Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)

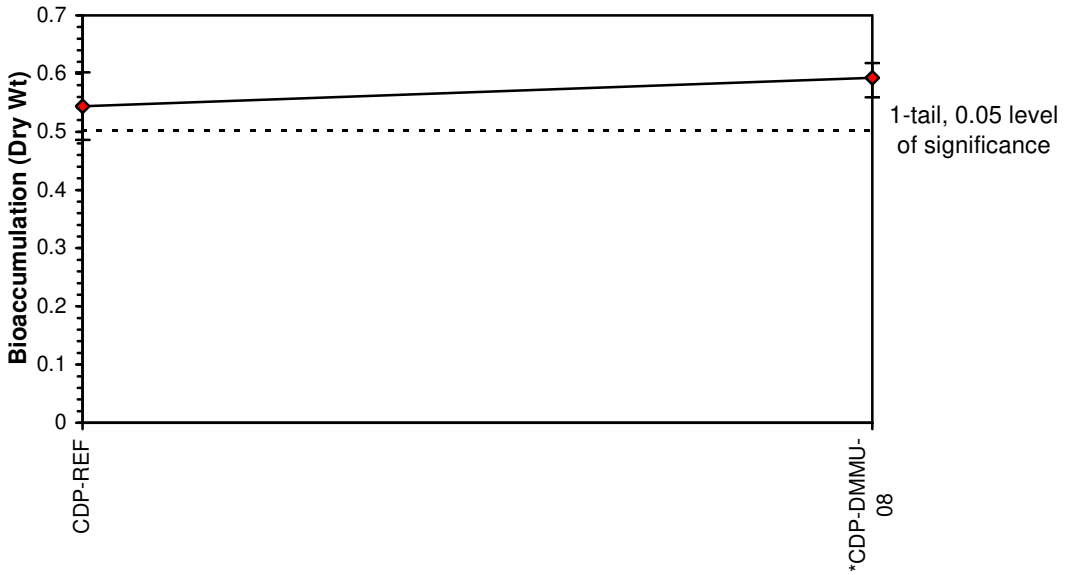
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | CD-DW-MM | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Cadmium, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.5580 | 0.5150 | 0.4860 | 0.6020 | 0.5580 |
| CDP-DMMU-08 | 0.6040 | 0.6180 | 0.5690 | 0.5590 | 0.6140 |

| | | | Transform: Reciprocal | | | | | | 1-Tailed | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.5438 | 0.0000 | 1.8489 | 1.6611 | 2.0576 | 8.286 | 5 | | | |
| CDP-DMMU-08 | 0.5928 | 0.1074 | 1.6898 | 1.6181 | 1.7889 | 4.626 | 5 | 2.069 | 1.860 | 0.1430 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.93623 | | 0.842 | | 0.32639 | -0.0536 |
| F-Test indicates equal variances (p = 0.22) | 3.8409 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | -0.0388 | 0 | 0.06335 | 0.01479 | 0.07229 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

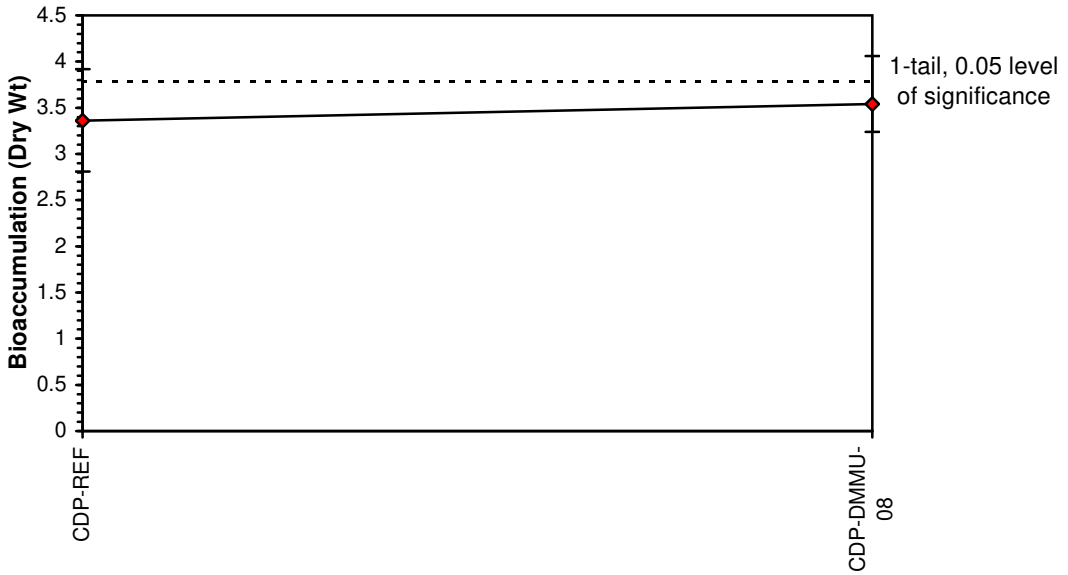
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Ni-DW-MM | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Nickel, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 2.8100 | 3.4400 | 3.9200 | 3.4000 | 3.2400 |
| CDP-DMMU-08 | 3.5200 | 3.4800 | 4.0600 | 3.4000 | 3.2400 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 3.3620 | 0.0000 | 3.3620 | 2.8100 | 3.9200 | 11.884 | 5 | | | |
| CDP-DMMU-08 | 3.5400 | -0.0754 | 3.5400 | 3.2400 | 4.0600 | 8.753 | 5 | 0.787 | 1.860 | 0.4205 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.92924 | | 0.842 | | 0.41674 | 0.25452 |
| F-Test indicates equal variances (p = 0.63) | 1.66271 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates no significant differences Treatments vs CDP-REF | 0.42046 | 0 | 0.07921 | 0.12781 | 0.45383 | 1, 8 |

**Dose-Response Plot**



## Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)

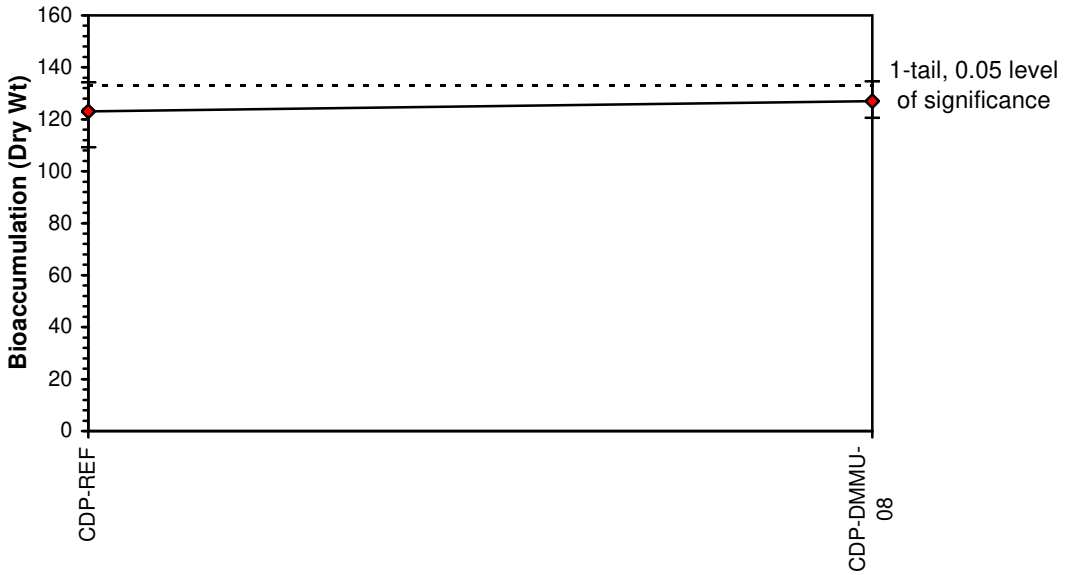
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | ZN-DW-MM | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Zinc, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 109.00 | 113.00 | 126.00 | 134.00 | 132.00 |
| CDP-DMMU-08 | 124.00 | 129.00 | 128.00 | 121.00 | 135.00 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 122.80 | 0.0000 | 122.80 | 109.00 | 134.00 | 9.166 | 5 | | | |
| CDP-DMMU-08 | 127.40 | -0.0378 | 127.40 | 121.00 | 135.00 | 4.176 | 5 | 0.826 | 1.860 | 10.35 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.96385 | | 0.842 | | -0.2942 | -0.9522 |
| F-Test indicates equal variances (p = 0.18) | 4.47703 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates no significant differences | 10.3535 | 0 | 52.9 | 77.5 | 0.43265 | 1, 8 |
| Treatments vs CDP-REF | | | | | | |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | |
|---|---|---|---|
| Start Date: | Test ID: TPH-DW-MM | Sample ID: | CDP |
| End Date: | Lab ID: NWDLS | Sample Type: | MARINE SED |
| Sample Date: | Protocol: EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Total Petroleum Hydrocarbons, mg/kg | | |

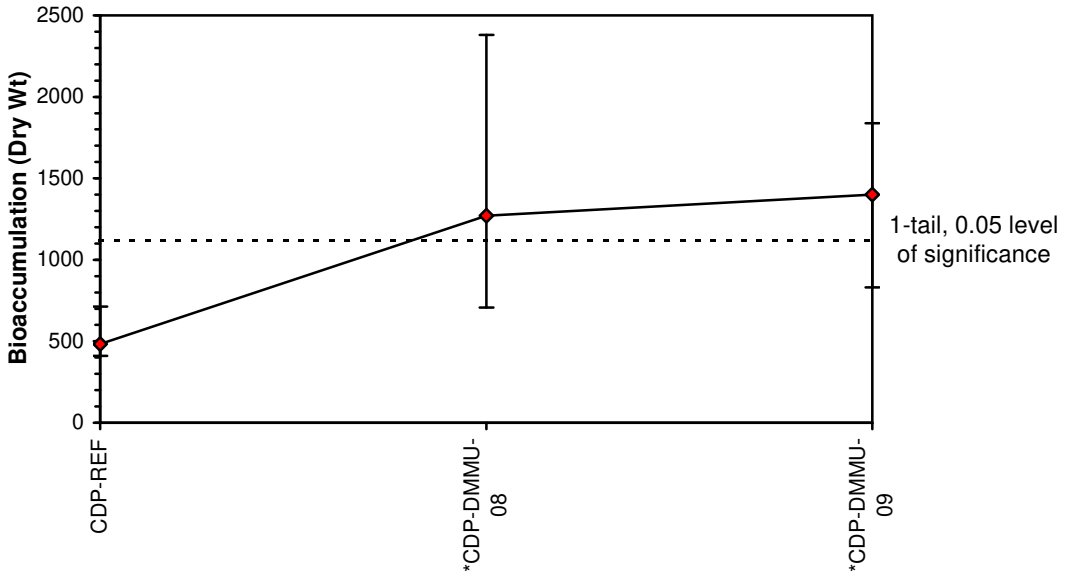
| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 712 | 445 | 411 | 428 | 423 |
| CDP-DMMU-08 | 1526 | 703 | 2376 | 904 | 823 |
| CDP-DMMU-09 | 1839 | 1240 | 1269 | 831 | 1825 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 483.8 | 0.0000 | 483.80 | 411.00 | 712.00 | 26.488 | 5 | | | |
| CDP-DMMU-08 | 1266.4 | -1.6210 | 1266.40 | 703.00 | 2376.00 | 55.048 | 5 | 2.585 | 2.110 | 638.78 |
| CDP-DMMU-09 | 1400.8 | -1.8993 | 1400.80 | 831.00 | 1839.00 | 30.702 | 5 | 3.029 | 2.110 | 638.78 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.92045 | 0.881 | 0.99441 | 1.51715 |
| Bartlett's Test indicates equal variances (p = 0.02) | 7.55206 | 9.21035 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Dunnett's Test indicates significant differences Treatments vs CDP-REF | 638.778 | 0 | 1226179 | 229126 | 0.02181 | 2, 12 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | |
|---|---|---|---|
| Start Date: | Test ID: TPH-DW-MM | Sample ID: | CDP |
| End Date: | Lab ID: NWDLS | Sample Type: | MARINE SED |
| Sample Date: | Protocol: EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Total Petroleum Hydrocarbons, mg/kg | | |

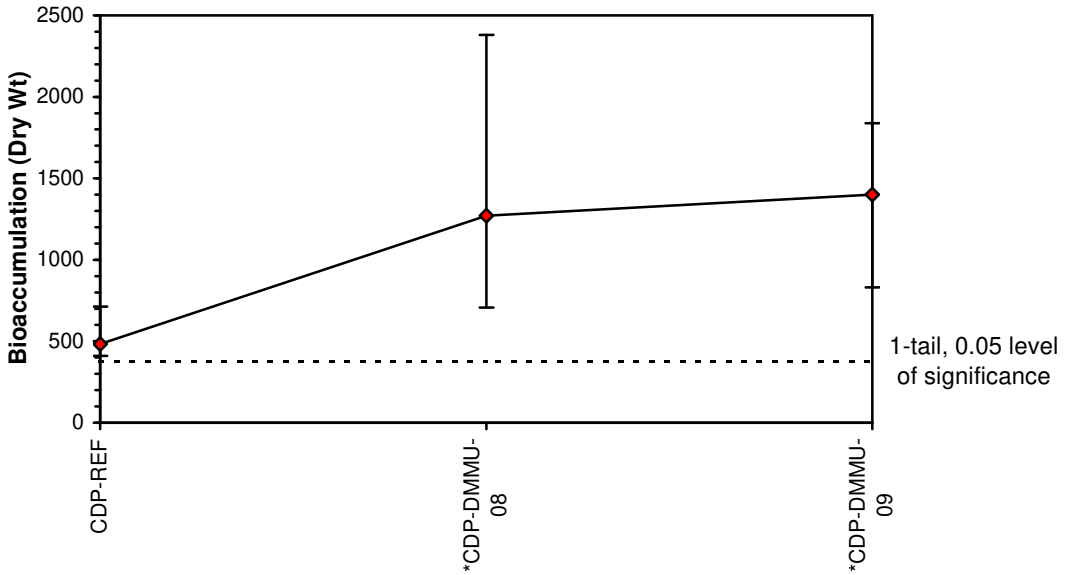
| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 712 | 445 | 411 | 428 | 423 |
| CDP-DMMU-08 | 1526 | 703 | 2376 | 904 | 823 |
| CDP-DMMU-09 | 1839 | 1240 | 1269 | 831 | 1825 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 483.8 | 0.0000 | 0.0022 | 0.0014 | 0.0024 | 19.746 | 5 | | | |
| CDP-DMMU-08 | 1266.4 | -1.6210 | 0.0010 | 0.0004 | 0.0014 | 42.889 | 5 | 5.013 | 2.110 | 0.0005 |
| CDP-DMMU-09 | 1400.8 | -1.8993 | 0.0008 | 0.0005 | 0.0012 | 34.591 | 5 | 5.795 | 2.110 | 0.0005 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.93417 | 0.881 | -0.8037 | 0.05617 |
| Bartlett's Test indicates equal variances (p = 0.66) | 0.84363 | 9.21035 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Dunnett's Test indicates significant differences Treatments vs CDP-REF | -87.542 | 0 | 2.8E-06 | 1.4E-07 | 1.6E-04 | 2, 12 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | B2P-DW-MM | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Bis(2-ethylhexyl )phthalate, umg/kg | | | | |

| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 22.90 | 25.40 | 23.00 | 23.90 | 22.20 |
| CDP-08 | 42.60 | 81.10 | 69.80 | 46.70 | 103.00 |
| CDP-09 | 81.00 | 37.20 | 53.80 | 54.70 | 285.00 |

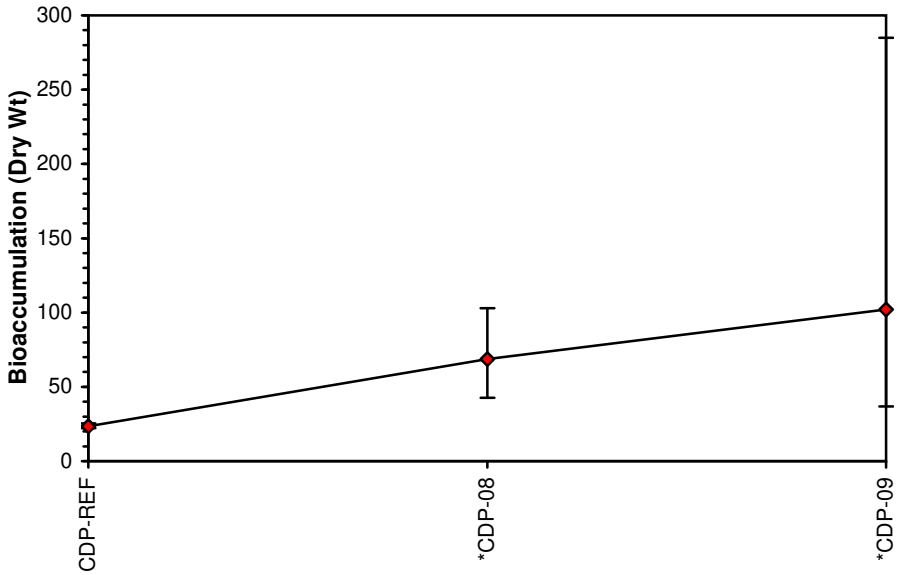
| | | | Transform: Untransformed | | | | | Rank | 1-Tailed |
|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | Sum | Critical |
| CDP-REF | 23.48 | 0.0000 | 23.480 | 22.200 | 25.400 | 5.246 | 5 | | |
| *CDP-08 | 68.64 | -2.0089 | 68.640 | 42.600 | 103.000 | 36.398 | 5 | 15.00 | 18.00 |
| *CDP-09 | 102.34 | -3.5080 | 102.340 | 37.200 | 285.000 | 100.944 | 5 | 15.00 | 18.00 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.05) | 0.71969 | 0.881 | 2.51662 | 8.29803 |
| Bartlett's Test indicates unequal variances (p = 1.99E-07) | 30.8619 | 9.21035 | | |

**Hypothesis Test (1-tail, 0.05)**

Steel's Many-One Rank Test indicates significant differences
Treatments vs CDP-REF

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | B2P-DW-MM | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Bis(2-ethylhexyl )phthalate, umg/kg | | | | |

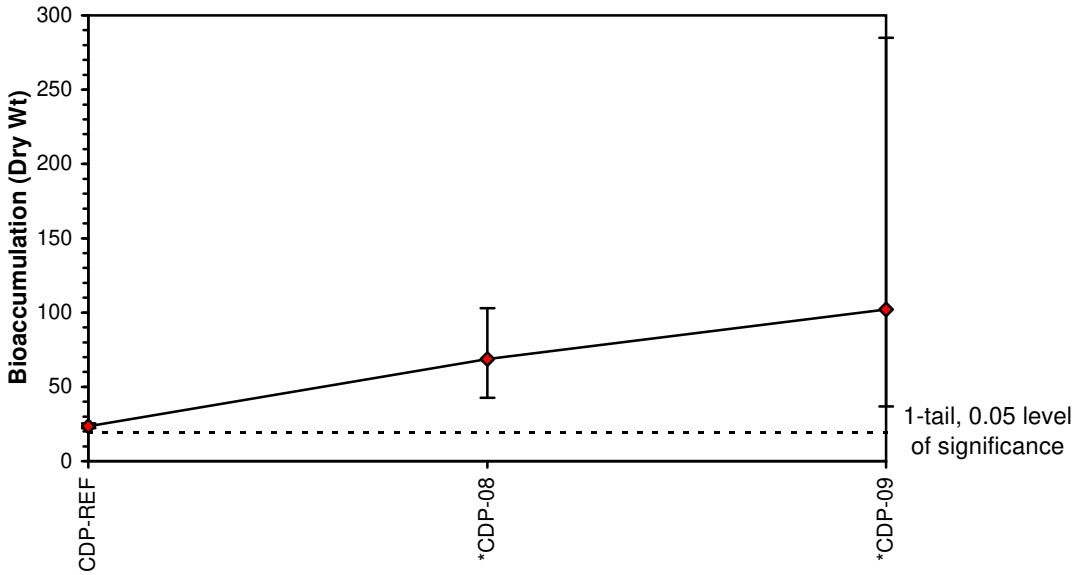
| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 22.90 | 25.40 | 23.00 | 23.90 | 22.20 |
| CDP-08 | 42.60 | 81.10 | 69.80 | 46.70 | 103.00 |
| CDP-09 | 81.00 | 37.20 | 53.80 | 54.70 | 285.00 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 23.48 | 0.0000 | 0.0427 | 0.0394 | 0.0450 | 5.088 | 5 | | | |
| *CDP-08 | 68.64 | -2.0089 | 0.0163 | 0.0097 | 0.0235 | 36.496 | 5 | 6.755 | 2.110 | 0.0083 |
| *CDP-09 | 102.34 | -3.5080 | 0.0159 | 0.0035 | 0.0269 | 54.365 | 5 | 6.839 | 2.110 | 0.0083 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.98333 | 0.881 | -0.2036 | 0.73279 |
| Bartlett's Test indicates equal variances (p = 0.07) | 5.42212 | 9.21035 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Dunnett's Test indicates significant differences Treatments vs CDP-REF | -3.7974 | 0 | 0.00118 | 3.8E-05 | 1.9E-05 | 2, 12 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | DBP-DW-MM | Sample ID: | CDP |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Di-n-Butyl phthalate, umg/kg | | | | |

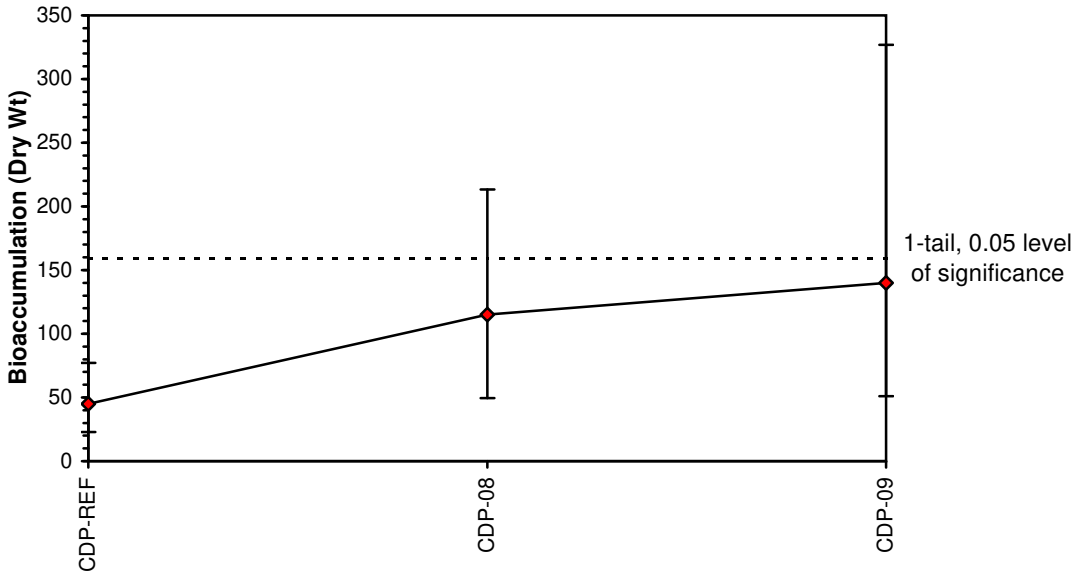
| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 22.90 | 25.40 | 23.00 | 77.20 | 76.60 |
| CDP-08 | 204.00 | 55.40 | 51.60 | 213.00 | 49.00 |
| CDP-09 | 327.00 | 65.10 | 182.00 | 50.60 | 73.90 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 45.02 | 0.0000 | 45.020 | 22.900 | 77.200 | 64.683 | 5 | | | |
| CDP-08 | 114.60 | -1.5806 | 114.600 | 49.000 | 213.000 | 74.876 | 5 | 1.288 | 2.110 | 113.984 |
| CDP-09 | 139.72 | -2.1513 | 139.720 | 50.600 | 327.000 | 83.699 | 5 | 1.753 | 2.110 | 113.984 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.89237 | 0.881 | 1.03314 | 0.59512 |
| Bartlett's Test indicates equal variances (p = 0.07) | 5.45262 | 9.21035 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Dunnett's Test indicates no significant differences Treatments vs CDP-REF | 113.984 | 0 | 12033.7 | 7295.67 | 0.23288 | 2, 12 |

**Dose-Response Plot**



## Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)

| | | | |
|---|---|---|---|
| Start Date: | Test ID: TP-DW-MM | Sample ID: | CDP |
| End Date: | Lab ID: NWDLS | Sample Type: | MARINE SED |
| Sample Date: | Protocol: EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |

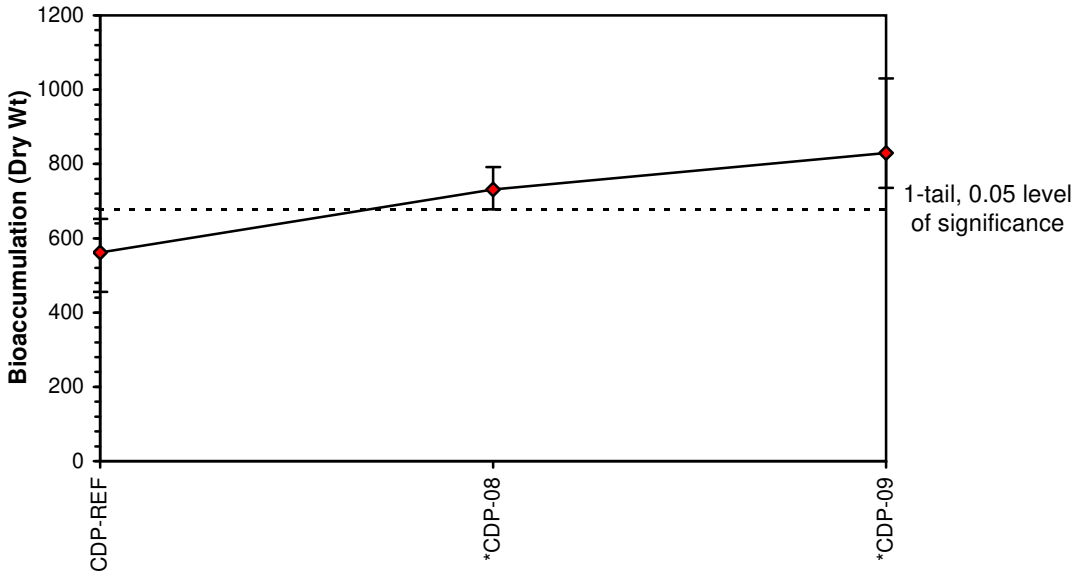
Comments: Total Phenols, umg/kg

| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 652.00 | 594.00 | 456.00 | 572.00 | 537.00 |
| CDP-08 | 678.00 | 749.00 | 718.00 | 792.00 | 720.00 |
| CDP-09 | 872.00 | 750.00 | 736.00 | 1030.00 | 763.00 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 562.20 | 0.0000 | 562.20 | 456.00 | 652.00 | 12.914 | 5 | | | |
| *CDP-08 | 731.40 | -0.3015 | 731.40 | 678.00 | 792.00 | 5.778 | 5 | 3.094 | 2.110 | 115.39 |
| *CDP-09 | 830.20 | -0.4775 | 830.20 | 736.00 | 1030.00 | 14.934 | 5 | 4.901 | 2.110 | 115.39 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.93946 | | 0.881 | | 0.96542 | 1.45569 |
| Bartlett's Test indicates equal variances (p = 0.15) | 3.81805 | | 9.21035 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Dunnett's Test indicates significant differences Treatments vs CDP-REF | 115.387 | 0 | 91845.1 | 7476.4 | 0.00125 | 2, 12 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | |
|---|---|---|---|
| Start Date: | Test ID: TP-DW-MM | Sample ID: | CDP |
| End Date: | Lab ID: NWDLS | Sample Type: | MARINE SED |
| Sample Date: | Protocol: EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |

Comments: Total Phenols, umg/kg

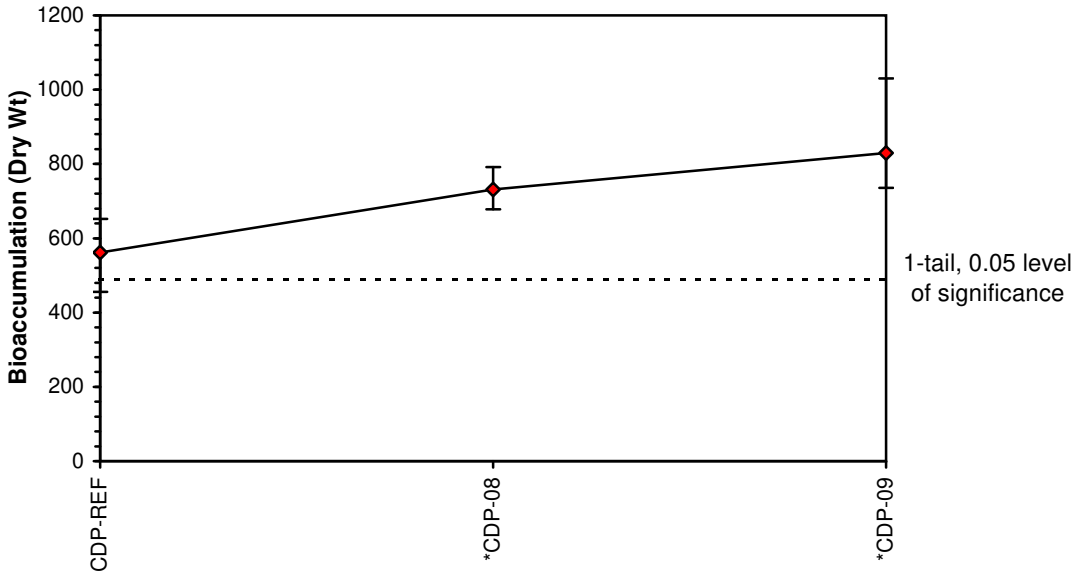
| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 652.00 | 594.00 | 456.00 | 572.00 | 537.00 |
| CDP-08 | 678.00 | 749.00 | 718.00 | 792.00 | 720.00 |
| CDP-09 | 872.00 | 750.00 | 736.00 | 1030.00 | 763.00 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 562.20 | 0.0000 | 0.0018 | 0.0015 | 0.0022 | 13.728 | 5 | | | |
| *CDP-08 | 731.40 | -0.3015 | 0.0014 | 0.0013 | 0.0015 | 5.724 | 5 | 3.862 | 2.110 | 0.0002 |
| *CDP-09 | 830.20 | -0.4775 | 0.0012 | 0.0010 | 0.0014 | 13.401 | 5 | 5.170 | 2.110 | 0.0002 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.9522 | 0.881 | 0.46182 | 1.27096 |
| Bartlett's Test indicates equal variances (p = 0.13) | 4.03396 | 9.21035 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Dunnett's Test indicates significant differences Treatments vs CDP-REF | -64.293 | 0 | 4.5E-07 | 3.1E-08 | 6.4E-04 | 2, 12 |

**Dose-Response Plot**



## Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)

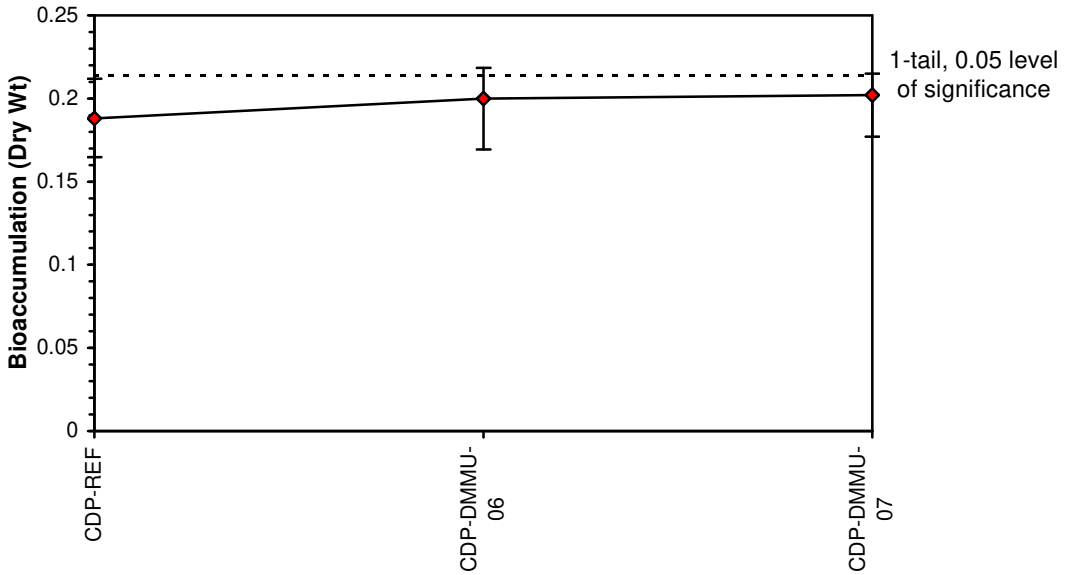
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | CD-DW-AV | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Cadmium, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.1820 | 0.1790 | 0.2120 | 0.2030 | 0.1650 |
| CDP-DMMU-06 | 0.2100 | 0.2160 | 0.1850 | 0.2180 | 0.1690 |
| CDP-DMMU-07 | 0.2150 | 0.2120 | 0.2120 | 0.1940 | 0.1770 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.1882 | 0.0000 | 0.1882 | 0.1650 | 0.2120 | 10.105 | 5 | | | |
| CDP-DMMU-06 | 0.1996 | 0.0140 | 0.1996 | 0.1690 | 0.2180 | 10.819 | 5 | 0.945 | 2.110 | 0.0255 |
| CDP-DMMU-07 | 0.2020 | 0.0170 | 0.2020 | 0.1770 | 0.2150 | 8.051 | 5 | 1.143 | 2.110 | 0.0255 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.91083 | | 0.881 | | -0.4292 | -1.2526 |
| Bartlett's Test indicates equal variances (p = 0.87) | 0.28566 | | 9.21035 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Dunnett's Test indicates no significant differences Treatments vs CDP-REF | 0.02547 | 0 | 0.00027 | 0.00036 | 0.49487 | 2, 12 |

**Dose-Response Plot**



## Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)

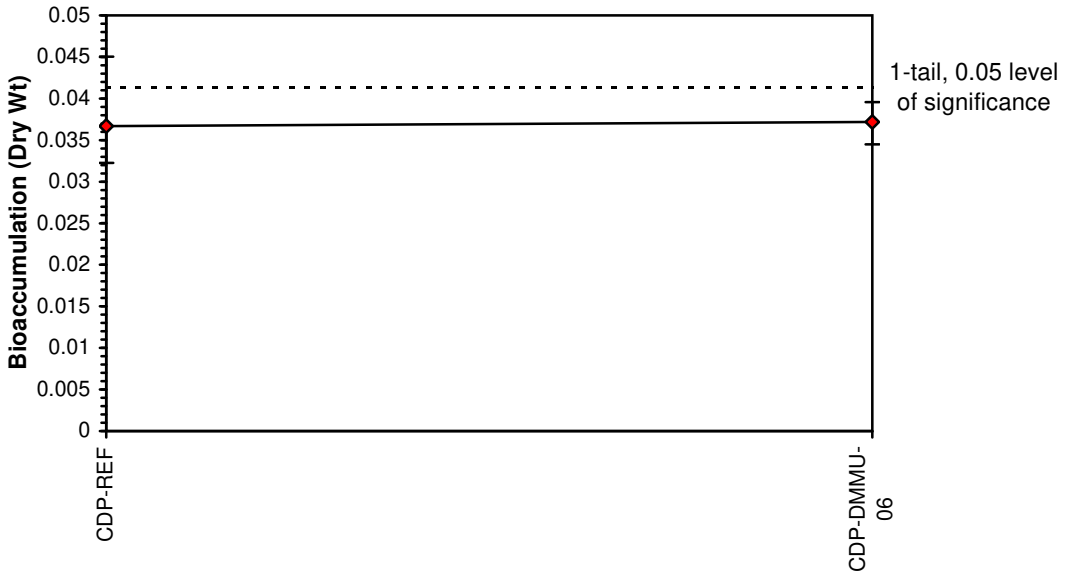
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | HG-DW-AV | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Mercury, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.0322 | 0.0354 | 0.0374 | 0.0450 | 0.0333 |
| CDP-DMMU-06 | 0.0396 | 0.0352 | 0.0391 | 0.0377 | 0.0345 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.0367 | 0.0000 | 0.0367 | 0.0322 | 0.0450 | 13.833 | 5 | | | |
| CDP-DMMU-06 | 0.0372 | 0.0006 | 0.0372 | 0.0345 | 0.0396 | 6.143 | 5 | 0.225 | 1.860 | 0.0046 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.91238 | | 0.842 | | 1.20827 | 1.98371 |
| F-Test indicates equal variances (p = 0.15) | 4.92022 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates no significant differences | 0.00463 | 0 | 7.8E-07 | 1.5E-05 | 0.82754 | 1, 8 |
| Treatments vs CDP-REF | | | | | | |

**Dose-Response Plot**



## Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)

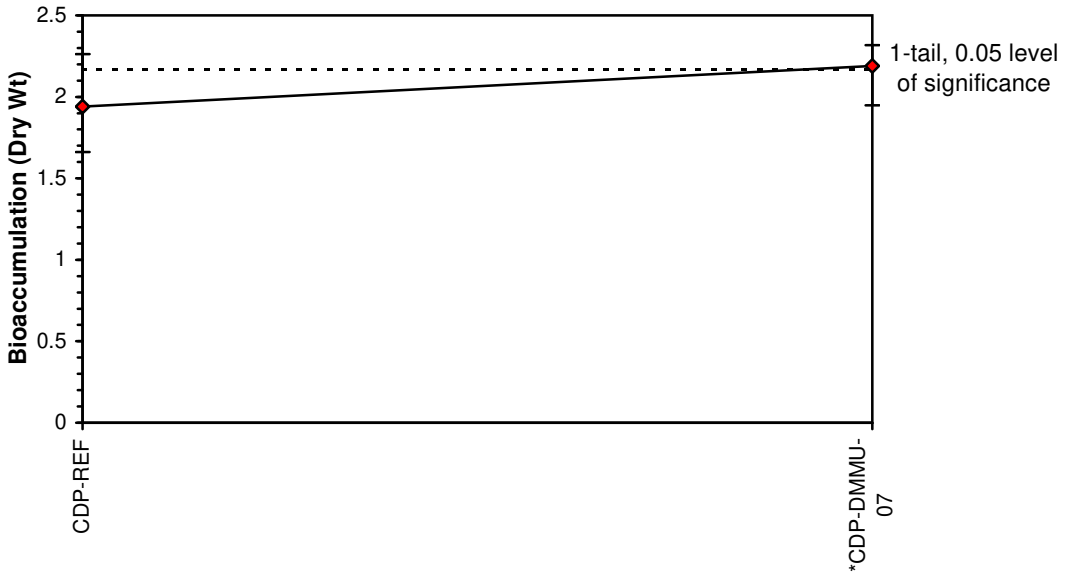
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Sel-DW-AV | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Selenium, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 2.0800 | 1.6600 | 1.9000 | 2.2600 | 1.7900 |
| CDP-DMMU-07 | 2.2800 | 1.9500 | 2.2500 | 2.1600 | 2.3200 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 1.9380 | 0.0000 | 1.9380 | 1.6600 | 2.2600 | 12.224 | 5 | | | |
| CDP-DMMU-07 | 2.1920 | -0.2708 | 2.1920 | 1.9500 | 2.3200 | 6.731 | 5 | 2.035 | 1.860 | 0.2321 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.96676 | | 0.842 | | 0.0051 | -0.4451 |
| F-Test indicates equal variances (p = 0.38) | 2.57786 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | 0.23209 | 0 | 0.16129 | 0.03894 | 0.07626 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Sel-DW-AV | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Selenium, mg/kg | | | | |

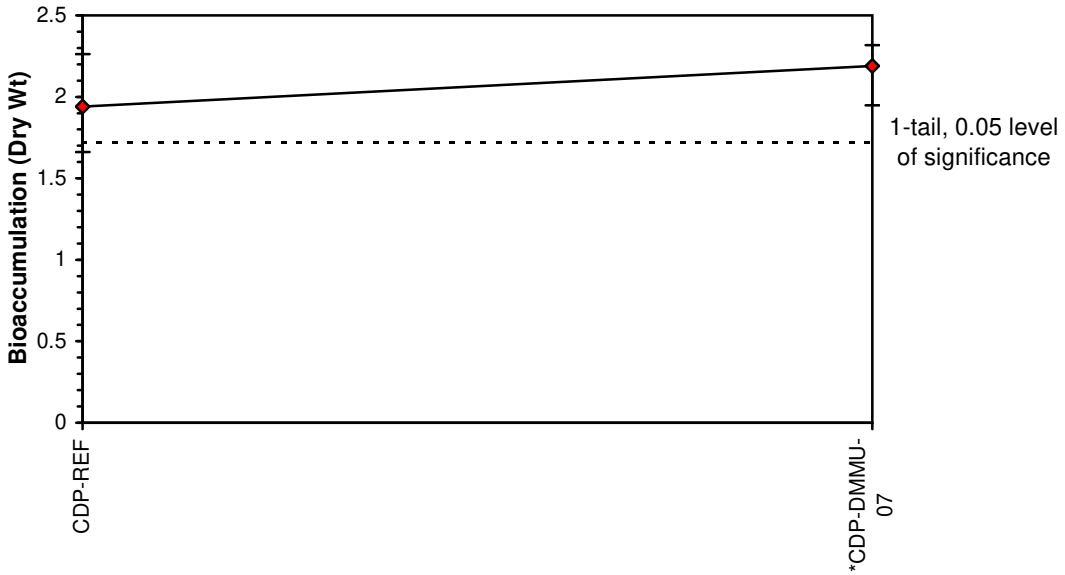
| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 2.0800 | 1.6600 | 1.9000 | 2.2600 | 1.7900 |
| CDP-DMMU-07 | 2.2800 | 1.9500 | 2.2500 | 2.1600 | 2.3200 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 1.9380 | 0.0000 | 0.5221 | 0.4425 | 0.6024 | 12.057 | 5 | | | |
| CDP-DMMU-07 | 2.1920 | -0.2708 | 0.4580 | 0.4310 | 0.5128 | 7.174 | 5 | 2.020 | 1.860 | 0.0591 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.98186 | 0.842 | 0.1651 | -0.1566 |
| F-Test indicates equal variances (p = 0.24) | 3.67171 | 23.1539 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | -0.1946 | 0 | 0.01029 | 0.00252 | 0.07803 | 1, 8 |

**Dose-Response Plot**



## Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Zn-DW-AV | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Zinc, mg/kg | | | | |

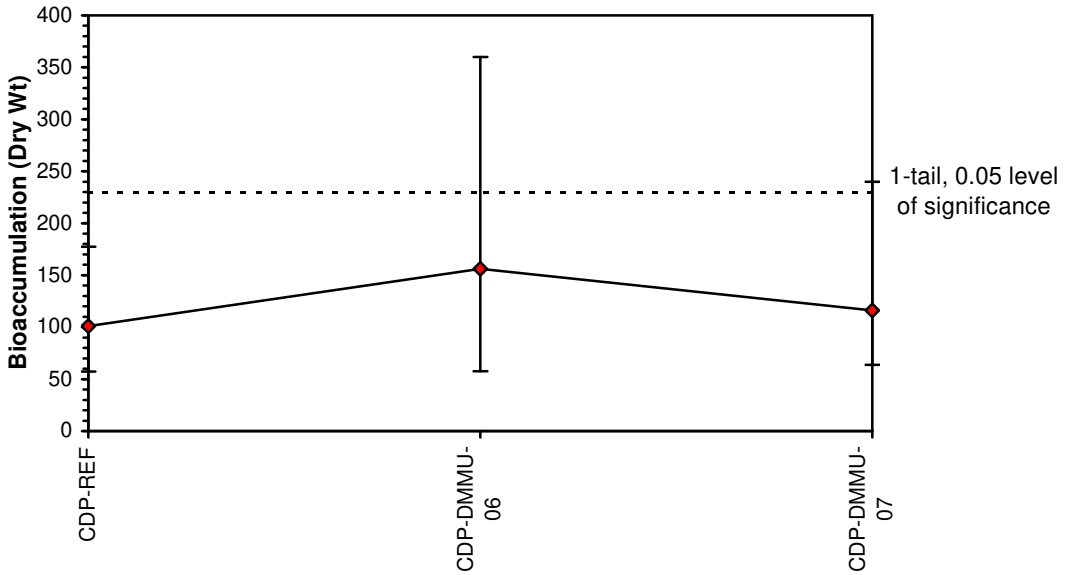
| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 56.90 | 177.00 | 146.00 | 64.10 | 59.30 |
| CDP-DMMU-06 | 62.10 | 360.00 | 57.40 | 59.90 | 239.00 |
| CDP-DMMU-07 | 68.10 | 137.00 | 71.50 | 63.70 | 240.00 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 100.66 | 0.0000 | 100.660 | 56.900 | 177.000 | 56.298 | 5 | | | |
| CDP-DMMU-06 | 155.68 | -0.5521 | 155.680 | 57.400 | 360.000 | 88.703 | 5 | 0.901 | 2.110 | 128.895 |
| CDP-DMMU-07 | 116.06 | -0.1545 | 116.060 | 63.700 | 240.000 | 65.090 | 5 | 0.252 | 2.110 | 128.895 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.88905 | 0.881 | 0.96424 | 0.26 |
| Bartlett's Test indicates equal variances (p = 0.22) | 3.03485 | 9.21035 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Dunnett's Test indicates no significant differences Treatments vs CDP-REF | 128.895 | 0 | 4028.42 | 9329.29 | 0.65904 | 2, 12 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | B2P-DW-AV | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Bis(2-ethylhexyl )Phthalate, umg/kg | | | | |

| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 25.500 | 38.500 | 173.000 | 74.700 | 15.700 |
| CDP-DMMU-07 | 27.800 | 47.600 | 31.600 | 16.900 | 32.100 |

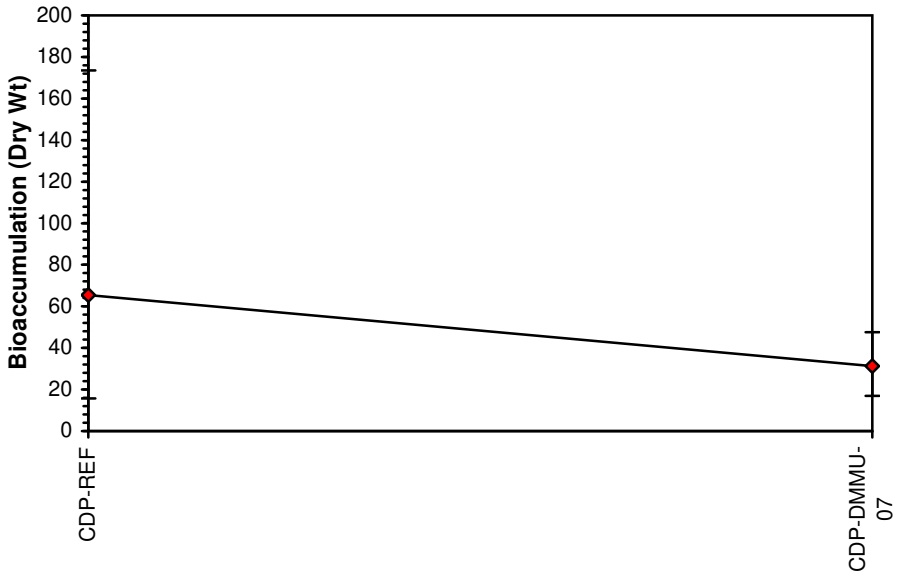
| | | | Transform: Untransformed | | | | | Rank | 1-Tailed |
|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | Sum | Critical |
| CDP-REF | 65.480 | 0.0000 | 65.480 | 15.700 | 173.000 | 97.936 | 5 | | |
| CDP-DMMU-07 | 31.200 | 0.5316 | 31.200 | 16.900 | 47.600 | 35.328 | 5 | 30.00 | 19.00 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.05) | 0.83042 | 0.842 | 1.76665 | 4.47416 |
| F-Test indicates unequal variances (p = 4.85E-03) | 33.849 | 23.1539 | | |

**Hypothesis Test (1-tail, 0.05)**

Wilcoxon Two-Sample Test indicates no significant differences
Treatments vs CDP-REF

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

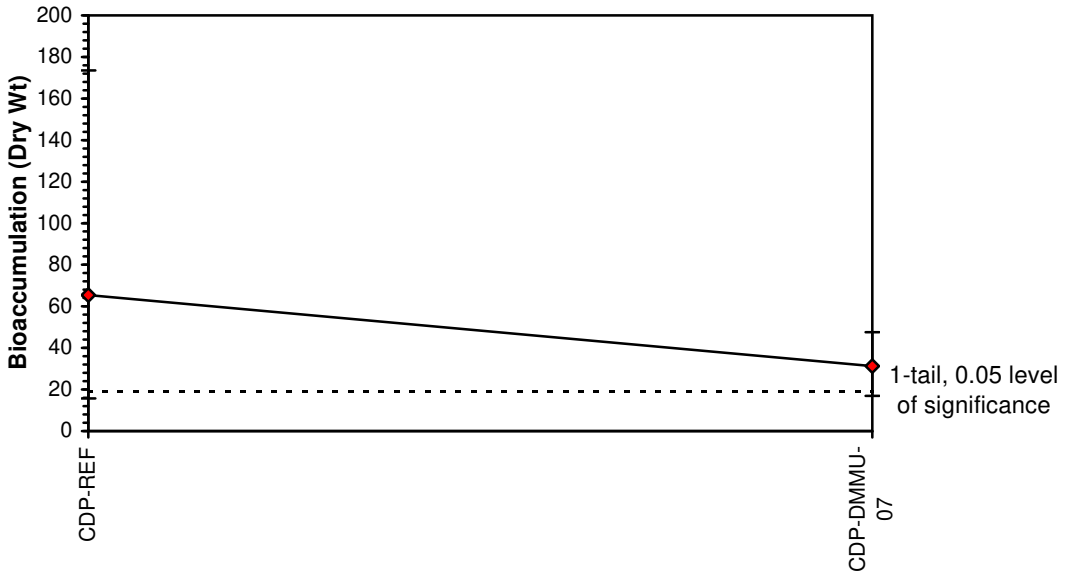
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | B2P-DW-AV | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | AV |
| Comments: | Bis(2-ethylhexyl )Phthalate, umg/kg | | | | |

| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 25.500 | 38.500 | 173.000 | 74.700 | 15.700 |
| CDP-DMMU-07 | 27.800 | 47.600 | 31.600 | 16.900 | 32.100 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 65.480 | 0.0000 | 0.0296 | 0.0058 | 0.0637 | 77.350 | 5 | | | |
| CDP-DMMU-07 | 31.200 | 0.5316 | 0.0358 | 0.0210 | 0.0592 | 39.611 | 5 | -0.513 | 1.860 | 0.0224 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.93538 | | 0.842 | | 0.76788 | 0.06304 |
| F-Test indicates equal variances (p = 0.38) | 2.61008 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates no significant differences Treatments vs CDP-REF | -14.545 | 0 | 9.5E-05 | 0.00036 | 0.62181 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Ber-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Beryllium, mg/kg | | | | |

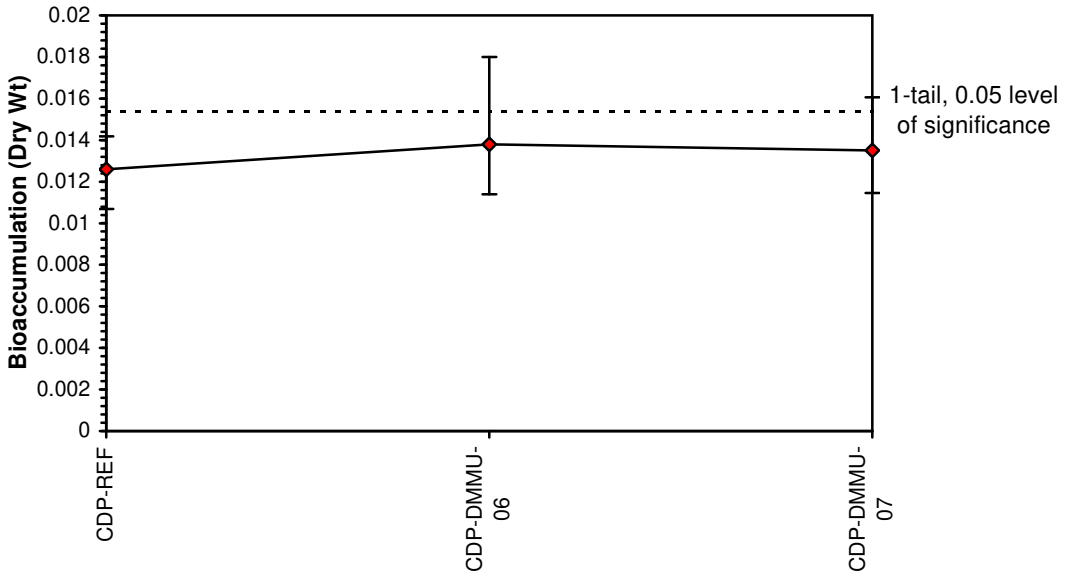
| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.0107 | 0.0136 | 0.0137 | 0.0142 | 0.0109 |
| CDP-DMMU-06 | 0.0116 | 0.0148 | 0.0180 | 0.0114 | 0.0132 |
| CDP-DMMU-07 | 0.0132 | 0.0161 | 0.0141 | 0.0128 | 0.0115 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.0126 | 0.0000 | 0.0126 | 0.0107 | 0.0142 | 13.299 | 5 | | | |
| CDP-DMMU-06 | 0.0138 | 0.0012 | 0.0138 | 0.0114 | 0.0180 | 19.712 | 5 | 0.891 | 2.110 | 0.0028 |
| CDP-DMMU-07 | 0.0135 | 0.0009 | 0.0135 | 0.0115 | 0.0161 | 12.627 | 5 | 0.695 | 2.110 | 0.0028 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.93463 | 0.881 | 0.59366 | -0.1794 |
| Bartlett's Test indicates equal variances (p = 0.56) | 1.15698 | 9.21035 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Dunnett's Test indicates no significant differences Treatments vs CDP-REF | 0.00279 | 0 | 1.9E-06 | 4.4E-06 | 0.65475 | 2, 12 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

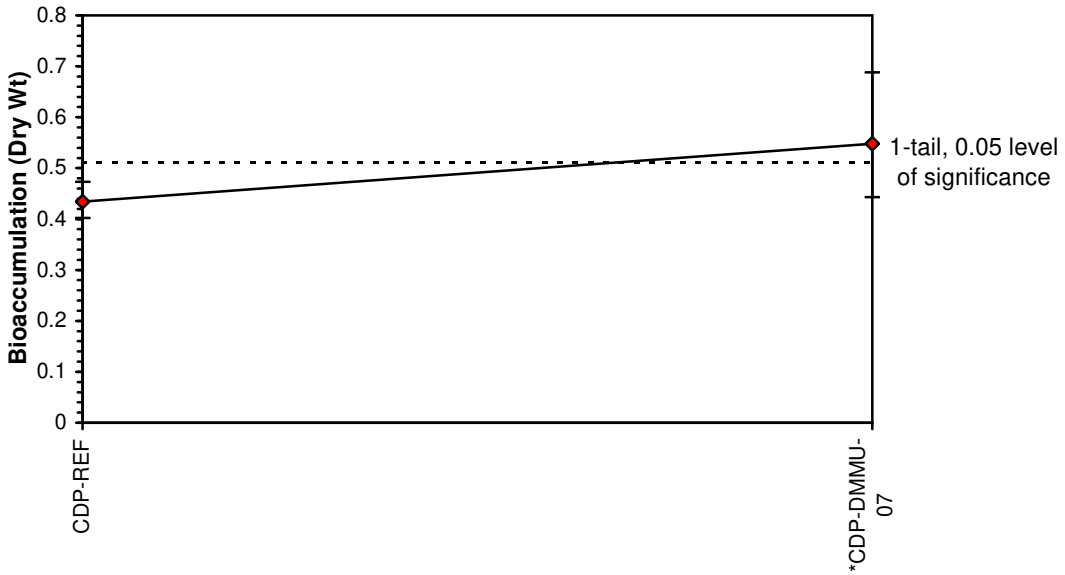
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | CAD-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Cadmium, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.4020 | 0.4730 | 0.4320 | 0.4350 | 0.4270 |
| CDP-DMMU-07 | 0.4430 | 0.6880 | 0.5240 | 0.5260 | 0.5610 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.4338 | 0.0000 | 0.4338 | 0.4020 | 0.4730 | 5.876 | 5 | | | |
| CDP-DMMU-07 | 0.5484 | 0.2024 | 0.5484 | 0.4430 | 0.6880 | 16.272 | 5 | 2.761 | 1.860 | 0.0772 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.88873 | | 0.842 | | 0.91109 | 3.21536 |
| F-Test indicates equal variances (p = 0.03) | 12.2569 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | 0.07718 | 0 | 0.03283 | 0.00431 | 0.02463 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

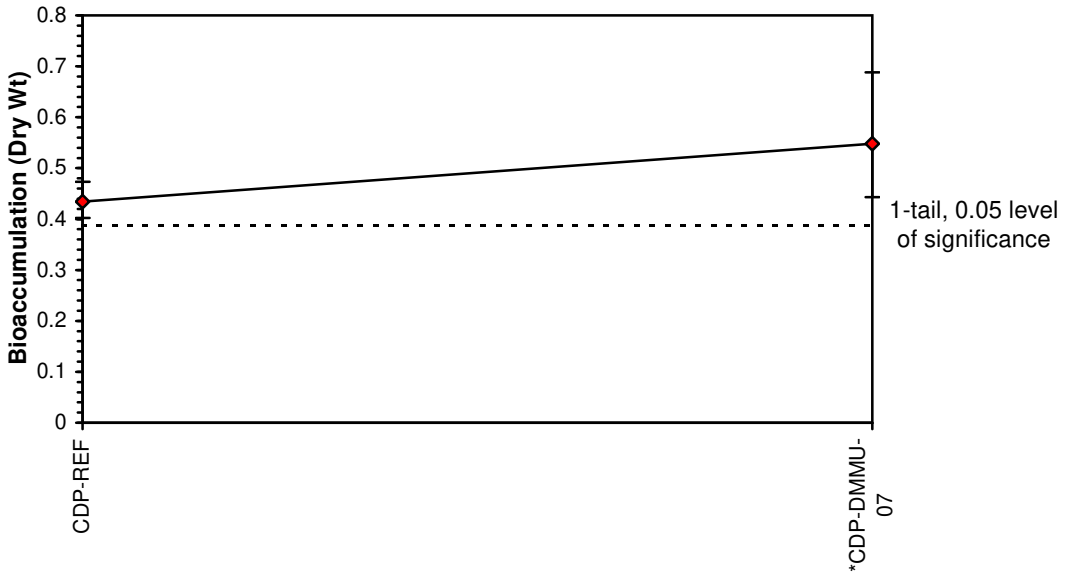
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | CAD-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Cadmium, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.4020 | 0.4730 | 0.4320 | 0.4350 | 0.4270 |
| CDP-DMMU-07 | 0.4430 | 0.6880 | 0.5240 | 0.5260 | 0.5610 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.4338 | 0.0000 | 2.3115 | 2.1142 | 2.4876 | 5.765 | 5 | | | |
| CDP-DMMU-07 | 0.5484 | 0.2024 | 1.8606 | 1.4535 | 2.2573 | 15.511 | 5 | 3.172 | 1.860 | 0.2644 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.94719 | | 0.842 | | -0.1094 | 1.58692 |
| F-Test indicates equal variances (p = 0.16) | 4.69009 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | -0.0444 | 0 | 0.50824 | 0.05052 | 0.01316 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

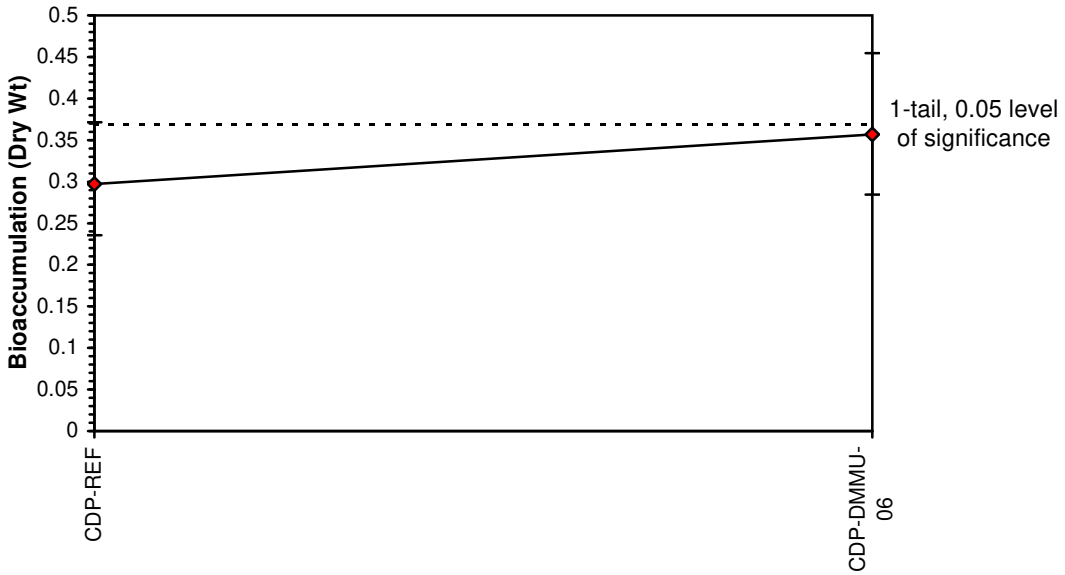
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | CHR-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Chromium, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.3710 | 0.2880 | 0.2350 | 0.3390 | 0.2500 |
| CDP-DMMU-06 | 0.4550 | 0.3170 | 0.3720 | 0.3580 | 0.2850 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.2966 | 0.0000 | 0.2966 | 0.2350 | 0.3710 | 19.495 | 5 | | | |
| CDP-DMMU-06 | 0.3574 | 0.0864 | 0.3574 | 0.2850 | 0.4550 | 18.032 | 5 | 1.570 | 1.860 | 0.0720 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.94655 | | 0.842 | | 0.4621 | -0.9199 |
| F-Test indicates equal variances (p = 0.84) | 1.24228 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates no significant differences | 0.072 | 0 | 0.00924 | 0.00375 | 0.15501 | 1, 8 |
| Treatments vs CDP-REF | | | | | | |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

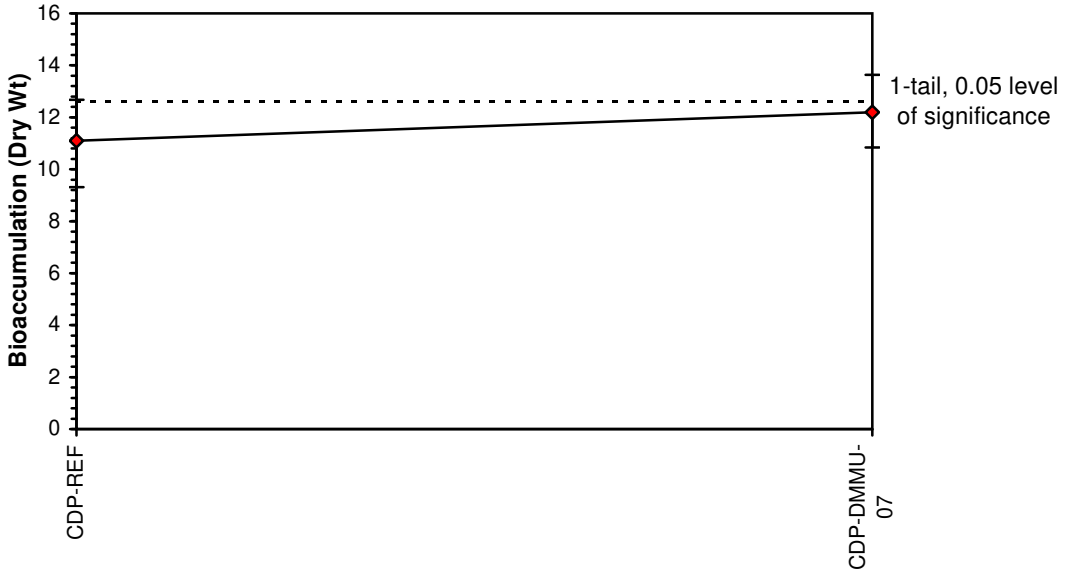
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | CU-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Copper, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 12.700 | 11.600 | 9.340 | 10.900 | 11.100 |
| CDP-DMMU-07 | 11.300 | 13.600 | 10.800 | 11.700 | 13.400 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 11.128 | 0.0000 | 11.128 | 9.340 | 12.700 | 10.954 | 5 | | | |
| CDP-DMMU-07 | 12.160 | -0.1019 | 12.160 | 10.800 | 13.600 | 10.412 | 5 | 1.313 | 1.860 | 1.462 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.94744 | | 0.842 | | -0.0082 | -1.2061 |
| F-Test indicates equal variances (p = 0.94) | 1.07879 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates no significant differences Treatments vs CDP-REF | 1.46159 | 0 | 2.66256 | 1.54446 | 0.2256 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

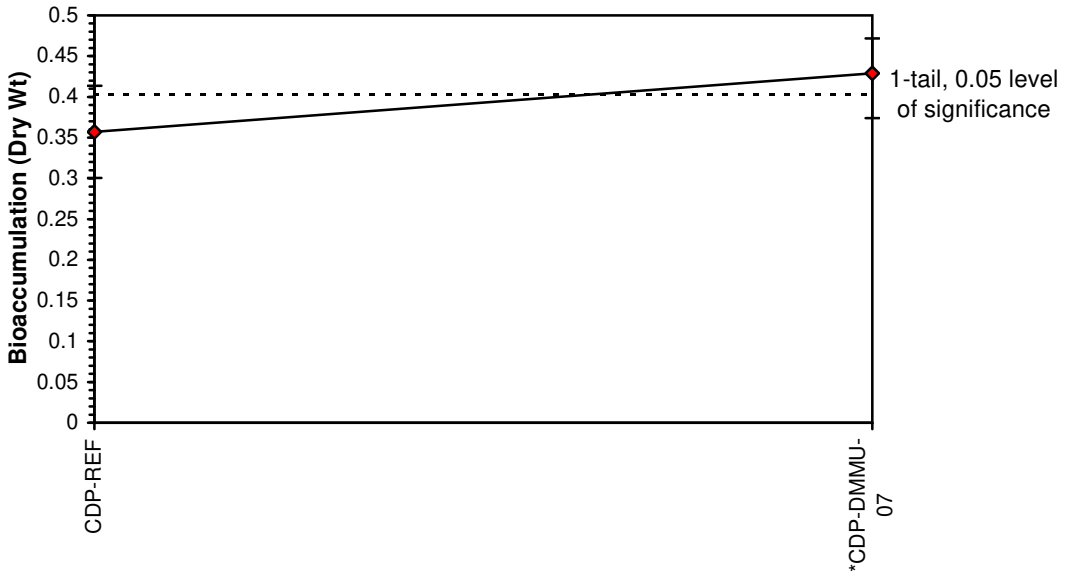
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | PB-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Lead, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.4140 | 0.3610 | 0.3010 | 0.3460 | 0.3650 |
| *CDP-DMMU-07 | 0.4150 | 0.4720 | 0.3740 | 0.4440 | 0.4410 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.3574 | 0.0000 | 0.3574 | 0.3010 | 0.4140 | 11.353 | 5 | | | |
| *CDP-DMMU-07 | 0.4292 | 0.1117 | 0.4292 | 0.3740 | 0.4720 | 8.591 | 5 | 2.928 | 1.860 | 0.0456 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.93995 | | 0.842 | | -0.247 | -0.2858 |
| F-Test indicates equal variances (p = 0.86) | 1.21078 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | 0.04559 | 0 | 0.01289 | 0.0015 | 0.01905 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

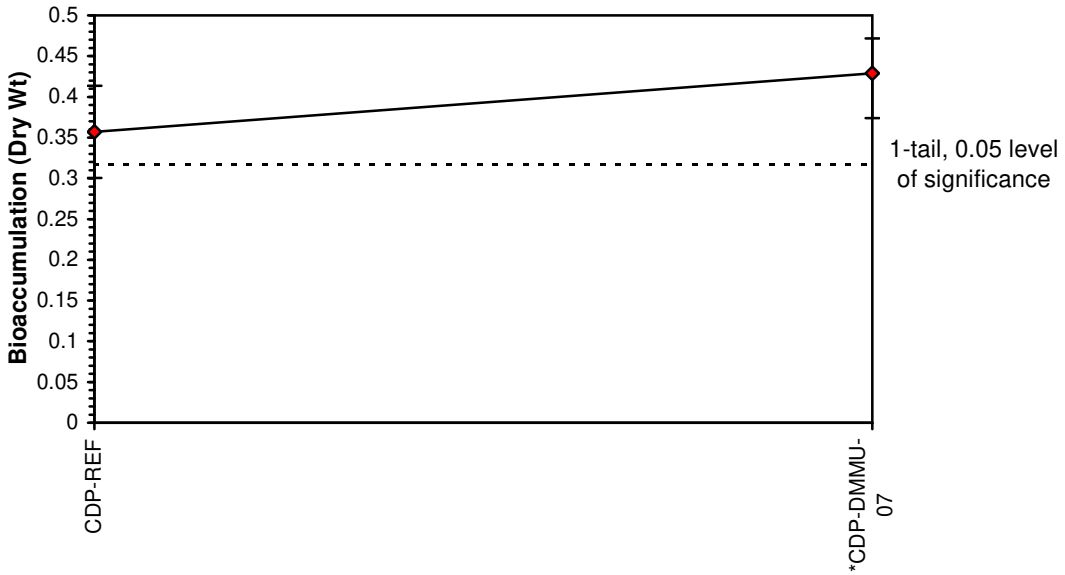
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | PB-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Lead, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.4140 | 0.3610 | 0.3010 | 0.3460 | 0.3650 |
| *CDP-DMMU-07 | 0.4150 | 0.4720 | 0.3740 | 0.4440 | 0.4410 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.3574 | 0.0000 | 2.8275 | 2.4155 | 3.3223 | 11.589 | 5 | | | |
| *CDP-DMMU-07 | 0.4292 | 0.1117 | 2.3444 | 2.1186 | 2.6738 | 9.001 | 5 | 2.772 | 1.860 | 0.3241 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.94062 | | 0.842 | | 0.58408 | 0.60813 |
| F-Test indicates equal variances (p = 0.41) | 2.41129 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates significant differences Treatments vs CDP-REF | -0.0364 | 0 | 0.58361 | 0.07595 | 0.02422 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

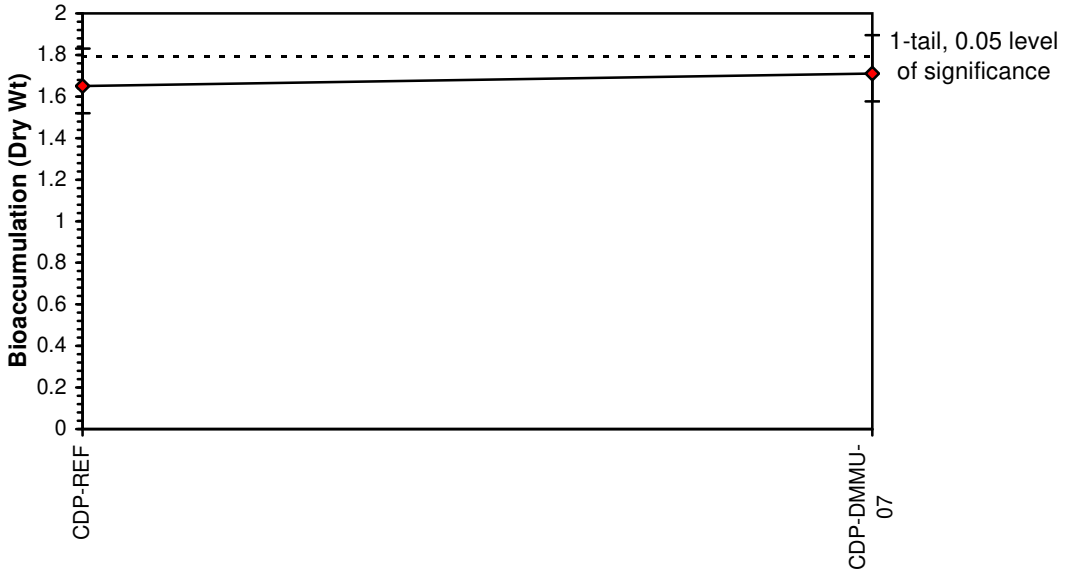
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Sel-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Selenium, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 1.6200 | 1.8300 | 1.5900 | 1.6900 | 1.5200 |
| CDP-DMMU-07 | 1.5800 | 1.9000 | 1.7400 | 1.6400 | 1.7100 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 1.6500 | 0.0000 | 1.6500 | 1.5200 | 1.8300 | 7.132 | 5 | | | |
| CDP-DMMU-07 | 1.7140 | -0.0985 | 1.7140 | 1.5800 | 1.9000 | 7.069 | 5 | 0.847 | 1.860 | 0.1405 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.90652 | | 0.842 | | 0.69034 | -0.4007 |
| F-Test indicates equal variances (p = 0.96) | 1.05993 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates no significant differences | 0.14047 | 0 | 0.01024 | 0.01426 | 0.42147 | 1, 8 |
| Treatments vs CDP-REF | | | | | | |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Tha-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Thallium, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.0030 | 0.0032 | 0.0023 | 0.0029 | 0.0028 |
| CDP-DMMU-06 | 0.0034 | 0.0038 | 0.0061 | 0.0032 | 0.0033 |
| CDP-DMMU-07 | 0.0053 | 0.0048 | 0.0040 | 0.0041 | 0.0036 |

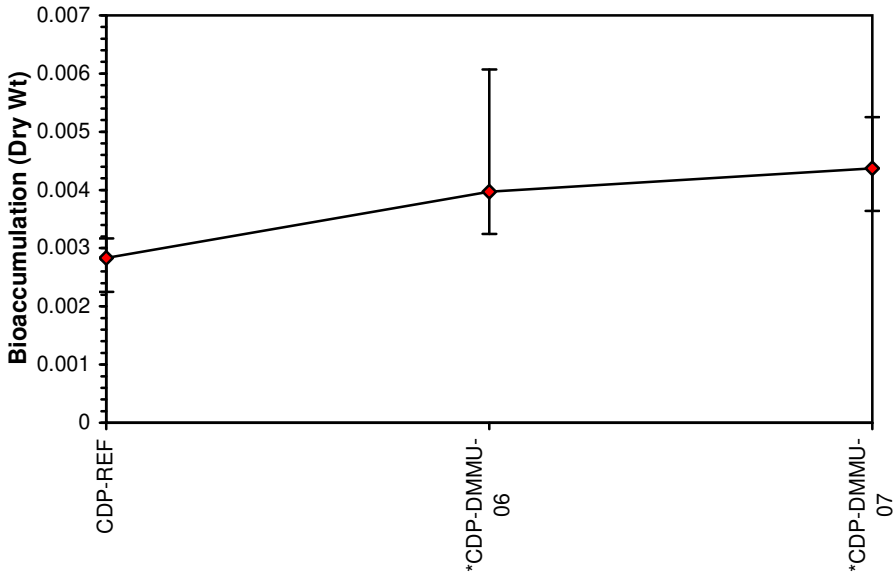
| | | | Transform: Untransformed | | | | | Rank | 1-Tailed |
|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | Sum | Critical |
| CDP-REF | 0.0028 | 0.0000 | 0.0028 | 0.0023 | 0.0032 | 12.485 | 5 | | |
| CDP-DMMU-06 | 0.0040 | 0.0011 | 0.0040 | 0.0032 | 0.0061 | 30.185 | 5 | 15.00 | 18.00 |
| CDP-DMMU-07 | 0.0044 | 0.0015 | 0.0044 | 0.0036 | 0.0053 | 15.015 | 5 | 15.00 | 18.00 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.05) | 0.84859 | 0.881 | 1.65289 | 3.43367 |
| Bartlett's Test indicates equal variances (p = 0.09) | 4.78774 | 9.21035 | | |

**Hypothesis Test (1-tail, 0.05)**

Steel's Many-One Rank Test indicates significant differences
Treatments vs CDP-REF

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | Tha-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Thallium, mg/kg | | | | |

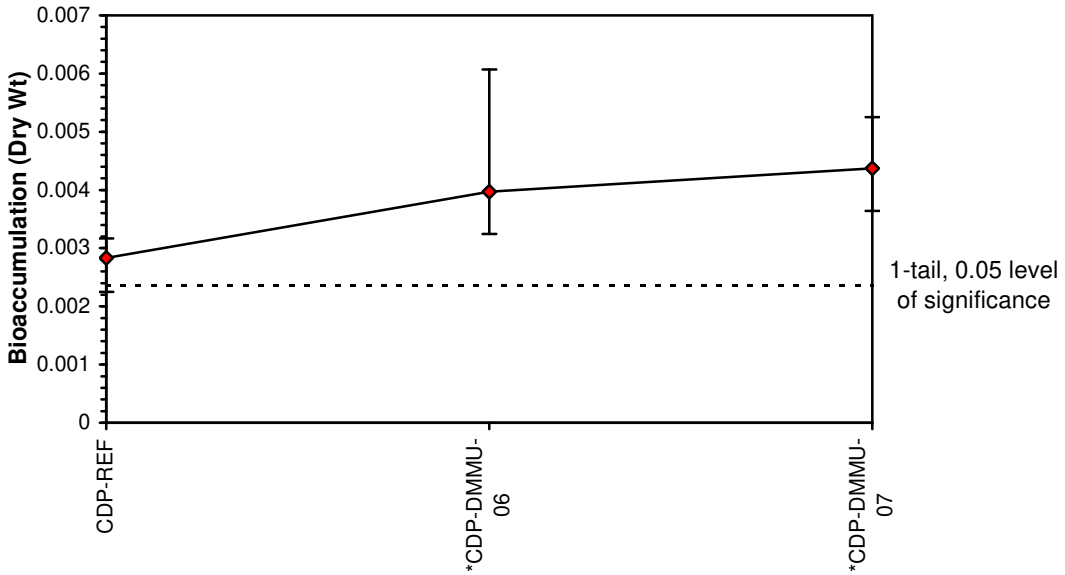
| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 0.0030 | 0.0032 | 0.0023 | 0.0029 | 0.0028 |
| CDP-DMMU-06 | 0.0034 | 0.0038 | 0.0061 | 0.0032 | 0.0033 |
| CDP-DMMU-07 | 0.0053 | 0.0048 | 0.0040 | 0.0041 | 0.0036 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 0.0028 | 0.0000 | 358.15 | 315.46 | 444.44 | 14.151 | 5 | | | |
| CDP-DMMU-06 | 0.0040 | 0.0011 | 266.34 | 164.74 | 308.64 | 22.432 | 5 | 2.945 | 2.110 | 65.78 |
| CDP-DMMU-07 | 0.0044 | 0.0015 | 232.89 | 190.48 | 274.73 | 14.572 | 5 | 4.018 | 2.110 | 65.78 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.97678 | 0.881 | -0.328 | 0.7559 |
| Bartlett's Test indicates equal variances (p = 0.58) | 1.10352 | 9.21035 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Dunnett's Test indicates significant differences Treatments vs CDP-REF | -0.0004 | 0 | 21031.3 | 2429.92 | 0.00471 | 2, 12 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

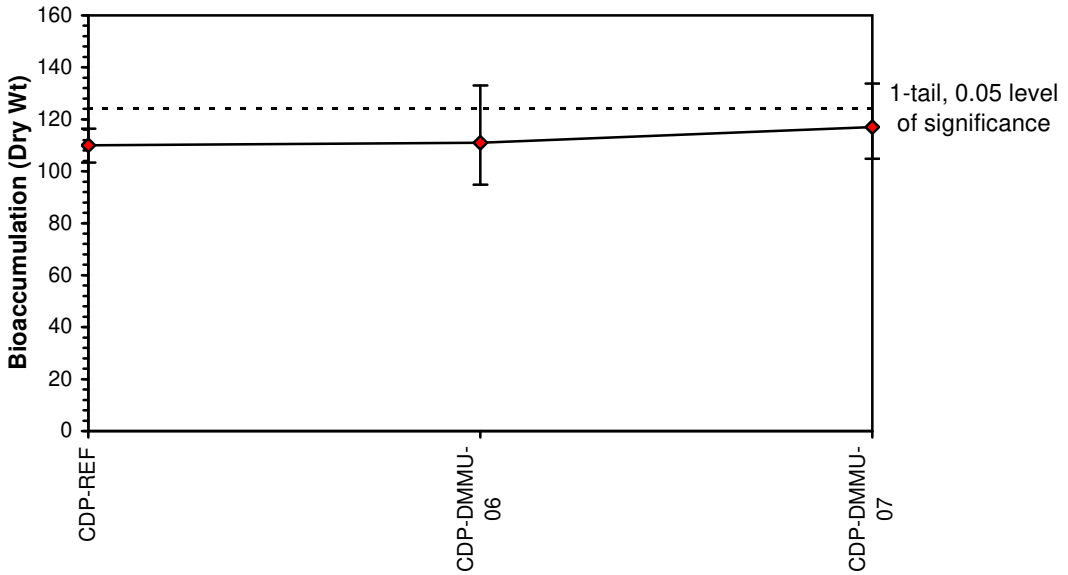
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | ZN-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Zinc, mg/kg | | | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 103.00 | 116.00 | 107.00 | 113.00 | 109.00 |
| CDP-DMMU-06 | 106.00 | 114.00 | 133.00 | 94.90 | 107.00 |
| CDP-DMMU-07 | 105.00 | 134.00 | 112.00 | 119.00 | 116.00 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 109.60 | 0.0000 | 109.60 | 103.00 | 116.00 | 4.634 | 5 | | | |
| CDP-DMMU-06 | 110.98 | -0.0127 | 110.98 | 94.90 | 133.00 | 12.689 | 5 | 0.205 | 2.110 | 14.20 |
| CDP-DMMU-07 | 117.20 | -0.0700 | 117.20 | 105.00 | 134.00 | 9.178 | 5 | 1.129 | 2.110 | 14.20 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.94004 | | 0.881 | | 0.78796 | 1.00173 |
| Bartlett's Test indicates equal variances (p = 0.20) | 3.23311 | | 9.21035 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Dunnett's Test indicates no significant differences Treatments vs CDP-REF | 14.2025 | 0 | 81.9607 | 113.267 | 0.505 | 2, 12 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | |
|---|---|---|---|
| Start Date: | Test ID: TPH-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | Lab ID: NWDLS | Sample Type: | MARINE SED |
| Sample Date: | Protocol: EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Total Petroleum Hydrocabons, mg/kg | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 94 | 437.037 | 390 | 388 | 371 |
| CDP-DMMU-06 | 5632.08 | 421.154 | 448 | 371 | 359 |

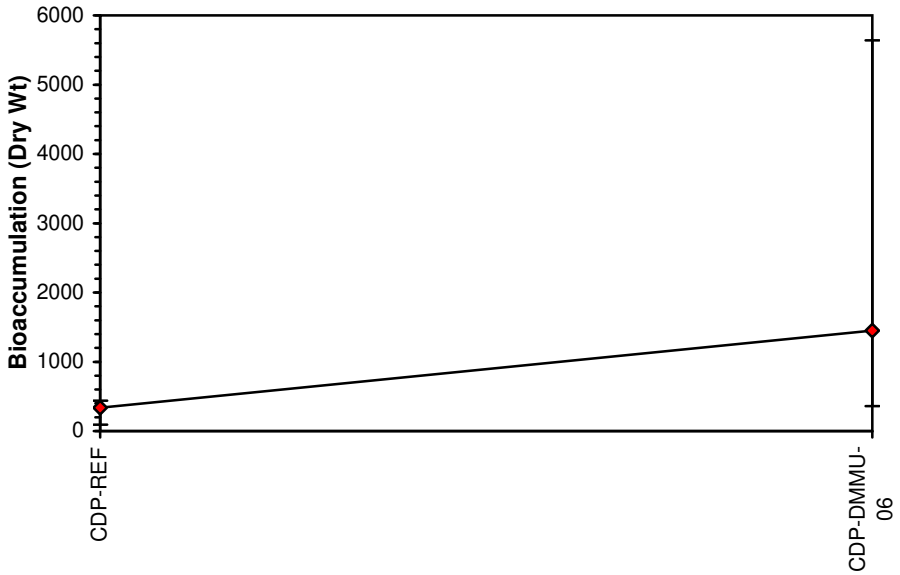
| | | | Transform: Untransformed | | | | | Rank | 1-Tailed |
|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | Sum | Critical |
| CDP-REF | 336.007 | 0.0000 | 336.01 | 94.00 | 437.04 | 40.920 | 5 | | |
| CDP-DMMU-06 | 1446.25 | -3.3141 | 1446.25 | 359.00 | 5632.08 | 161.814 | 5 | 23.50 | 19.00 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.05) | 0.65136 | 0.842 | 2.50064 | 7.06876 |
| F-Test indicates unequal variances (p = 7.08E-05) | 289.705 | 23.1539 | | |

**Hypothesis Test (1-tail, 0.05)**

Wilcoxon Two-Sample Test indicates no significant differences
Treatments vs CDP-REF

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | |
|---|---|---|---|
| Start Date: | Test ID: TPH-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | Lab ID: NWDLS | Sample Type: | MARINE SED |
| Sample Date: | Protocol: EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Total Petroleum Hydrocabons, mg/kg | | |

| Conc-mg/Kg | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 94 | 437.037 | 390 | 388 | 371 |
| CDP-DMMU-06 | 5632.08 | 421.154 | 448 | 371 | 359 |

| | | | Transform: Reciprocal | | | | | Rank | 1-Tailed |
|---|---|---|---|---|---|---|---|---|---|
| Conc-mg/Kg | Mean | N-Mean | Mean | Min | Max | CV% | N | Sum | Critical |
| CDP-REF | 336.007 | 0.0000 | 0.0042 | 0.0023 | 0.0106 | 87.382 | 5 | | |
| CDP-DMMU-06 | 1446.25 | -3.3141 | 0.0021 | 0.0002 | 0.0028 | 52.246 | 5 | 23.50 | 19.00 |

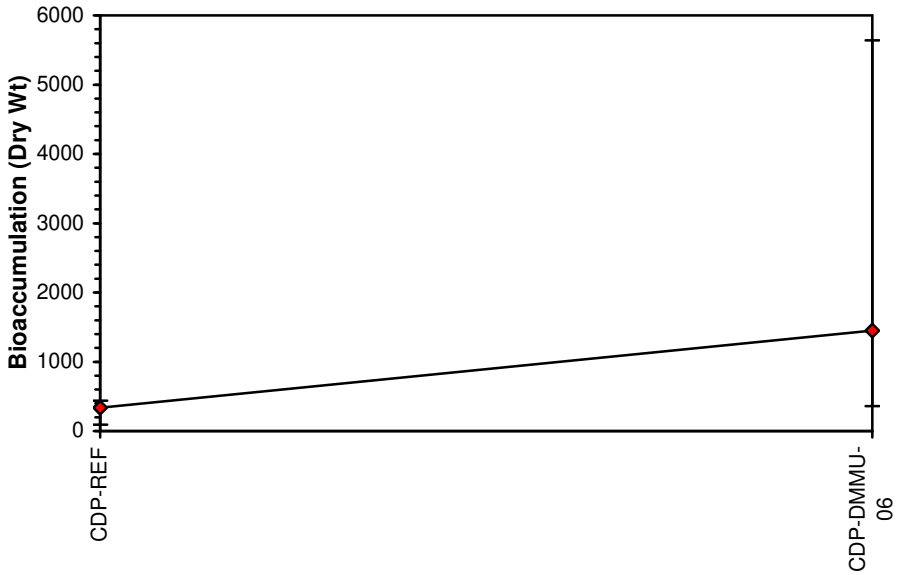
| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.05) | 0.72152 | 0.842 | 2.15802 | 5.42351 |
| F-Test indicates equal variances (p = 0.04) | 11.4448 | 23.1539 | | |

**Hypothesis Test (1-tail, 0.05)**

Wilcoxon Two-Sample Test indicates no significant differences

Treatments vs CDP-REF

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | B2P-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Bis(2-ethylhexyl )phthalate, umg/kg | | | | |

| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 3.6900 | 5.3900 | 22.2000 | 7.9600 | 2.3600 |
| CDP-DMMU-07 | 3.9000 | 6.5500 | 4.4300 | 2.4700 | 4.5400 |

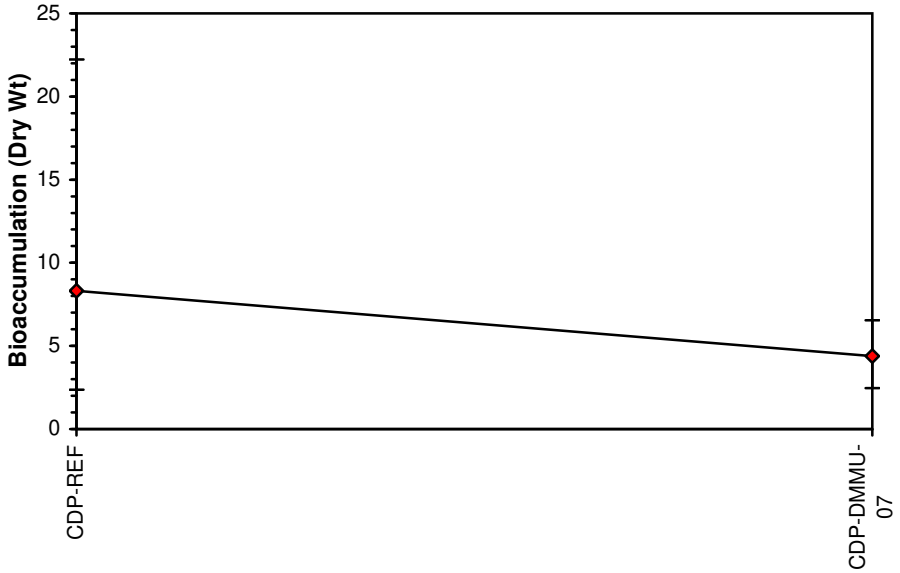
| | | | Transform: Untransformed | | | | | Rank | 1-Tailed |
|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | Sum | Critical |
| CDP-REF | 8.3200 | 0.0000 | 8.3200 | 2.3600 | 22.2000 | 96.590 | 5 | | |
| CDP-DMMU-07 | 4.3780 | 0.5385 | 4.3780 | 2.4700 | 6.5500 | 33.522 | 5 | 30.00 | 19.00 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.05) | 0.79103 | 0.842 | 2.01289 | 5.32293 |
| F-Test indicates unequal variances (p = 6.12E-03) | 29.9841 | 23.1539 | | |

**Hypothesis Test (1-tail, 0.05)**

Wilcoxon Two-Sample Test indicates no significant differences
Treatments vs CDP-REF

**Dose-Response Plot**



## Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)

| | | | |
|---|---|---|---|
| Start Date: | Test ID: B2P-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | Lab ID: NWDLS | Sample Type: | MARINE SED |
| Sample Date: | Protocol: EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Bis(2-ethylhexyl )phthalate, umg/kg | | |

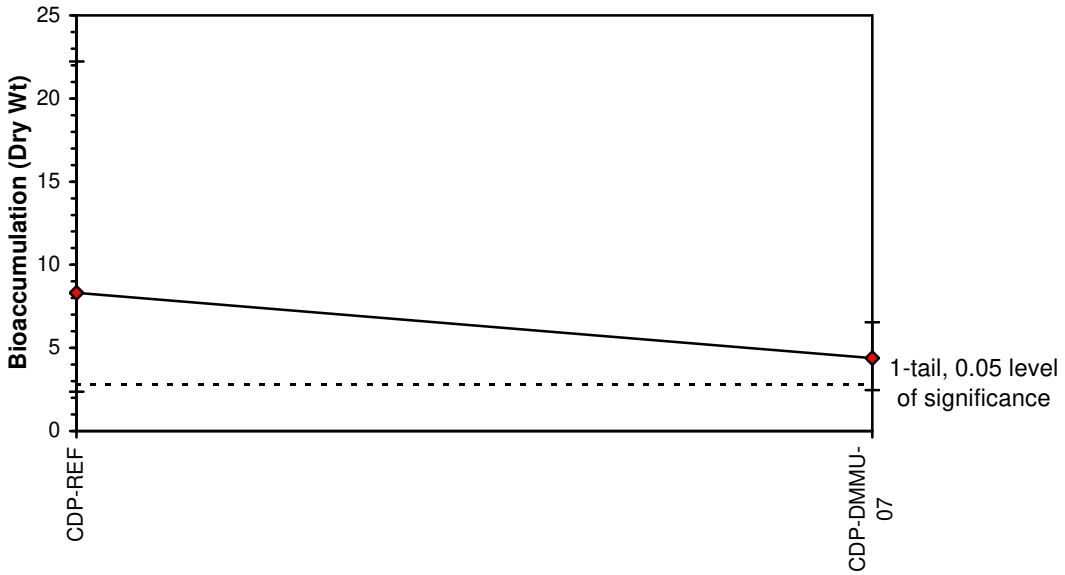
| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 3.6900 | 5.3900 | 22.2000 | 7.9600 | 2.3600 |
| CDP-DMMU-07 | 3.9000 | 6.5500 | 4.4300 | 2.4700 | 4.5400 |

| | | | Transform: Reciprocal | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 8.3200 | 0.0000 | 0.2102 | 0.0450 | 0.4237 | 69.080 | 5 | | | |
| CDP-DMMU-07 | 4.3780 | 0.5385 | 0.2520 | 0.1527 | 0.4049 | 37.094 | 5 | -0.541 | 1.860 | 0.1436 |

| Auxiliary Tests | Statistic | Critical | Skew | Kurt |
|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.94613 | 0.842 | 0.67201 | 0.05111 |
| F-Test indicates equal variances (p = 0.41) | 2.41296 | 23.1539 | | |

| Hypothesis Test (1-tail, 0.05) | MSDu | MSDp | MSB | MSE | F-Prob | df |
|---|---|---|---|---|---|---|
| Homoscedastic t Test indicates no significant differences Treatments vs CDP-REF | -1.9312 | 0 | 0.00437 | 0.01491 | 0.60306 | 1, 8 |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

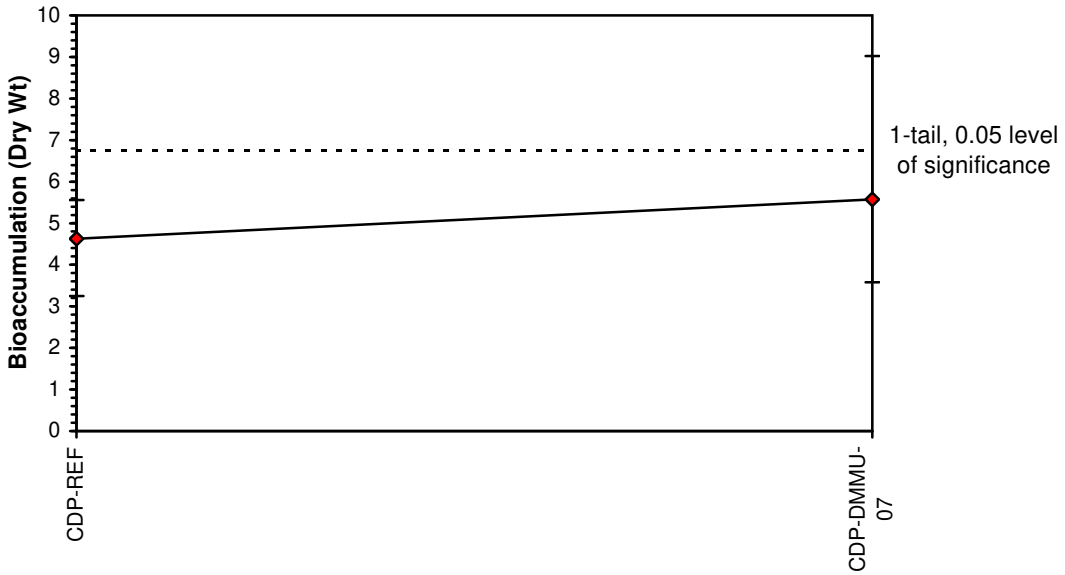
| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | DBP-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Di-n-Butyl phthalate, umg/kg | | | | |

| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 5.5600 | 3.2500 | 4.4100 | 5.3400 | 4.6000 |
| CDP-DMMU-07 | 4.1400 | 7.0500 | 3.5800 | 9.0200 | 4.0700 |

| | | | Transform: Untransformed | | | | | 1-Tailed | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 4.6320 | 0.0000 | 4.6320 | 3.2500 | 5.5600 | 19.676 | 5 | | | |
| CDP-DMMU-07 | 5.5720 | -0.2588 | 5.5720 | 3.5800 | 9.0200 | 42.421 | 5 | 0.830 | 1.860 | 2.1067 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.92443 | | 0.842 | | 0.82158 | 0.37686 |
| F-Test indicates equal variances (p = 0.09) | 6.72586 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates no significant differences | 2.10674 | 0 | 2.209 | 3.20882 | 0.43076 | 1, 8 |
| Treatments vs CDP-REF | | | | | | |

**Dose-Response Plot**



**Evaluation of Dredge Materials for Bioaccumulation-Bioaccumulation (Dry Wt)**

| | | | | | |
|---|---|---|---|---|---|
| Start Date: | | Test ID: | TP-DW-MM | Sample ID: | PCCA CDP Inshore |
| End Date: | | Lab ID: | NWDLS | Sample Type: | MARINE SED |
| Sample Date: | | Protocol: | EPADM91-EPA 503/8-91/001 | Test Species: | MM-Mercenaria mercenaria |
| Comments: | Total Phenols, umg/kg | | | | |

| Conc-ppb | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| CDP-REF | 50.700 | 52.800 | 58.300 | 97.300 | 92.700 |
| CDP-DMMU-07 | 86.300 | 83.900 | 52.900 | 71.100 | 74.200 |

| | | | Transform: Untransformed | | | | | | 1-Tailed | |
|---|---|---|---|---|---|---|---|---|---|---|
| Conc-ppb | Mean | N-Mean | Mean | Min | Max | CV% | N | t-Stat | Critical | MSD |
| CDP-REF | 70.360 | 0.0000 | 70.360 | 50.700 | 97.300 | 32.294 | 5 | | | |
| CDP-DMMU-07 | 73.680 | -0.0479 | 73.680 | 52.900 | 86.300 | 17.986 | 5 | 0.282 | 1.860 | 21.875 |

| Auxiliary Tests | Statistic | | Critical | | Skew | Kurt |
|---|---|---|---|---|---|---|
| Shapiro-Wilk's Test indicates normal distribution (p > 0.05) | 0.92223 | | 0.842 | | 0.2581 | -1.4214 |
| F-Test indicates equal variances (p = 0.32) | 2.93994 | | 23.1539 | | | |
| **Hypothesis Test (1-tail, 0.05)** | **MSDu** | **MSDp** | **MSB** | **MSE** | **F-Prob** | **df** |
| Homoscedastic t Test indicates no significant differences | 21.8748 | 0 | 27.556 | 345.95 | 0.78493 | 1, 8 |
| Treatments vs CDP-REF | | | | | | |

**Dose-Response Plot**

