

TABLE 1
FORMER PEAK 1 TANK BATTERY
SOIL ANALYTICAL RESULTS SUMMARY TABLE
CONTAMINANTS OF CONCERN

| Sample ID | Date Sampled | Depth | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | 1, 2, 4-TMB (mg/kg) | 1, 3, 5-TMB (mg/kg) | Naphthalene (mg/kg) | TPH ⁽⁴⁾ (mg/kg) | Anthracene (mg/kg) | Chrysene (mg/kg) | Fluorene (mg/kg) | 1-M (mg/kg) | 2-M (mg/kg) | EC (mmhos/cm) | SAR (units) |
|--|--------------|-------------|--------------------|--------------------|-------------------------|-----------------------------|------------------------|------------------------|------------------------|-------------------------------|-----------------------|---------------------|---------------------|----------------|----------------|------------------|----------------|
| Residential SSL^(1,2) | | | 1.2 | 490 | 5.8 | 58 | 30 | 27 | 2 | 500 | 1,800 | 110 | 240 | 18 | 24 | <4 | <6 |
| Protection of Groundwater SSL^(1,2,3) | | | 0.0026 | 0.69 | 0.78 | 9.9 | 0.0081 | 0.0087 | 0.0038 | 500 | 5.8 | 9 | 0.54 | 0.006 | 0.019 | | |
| AST01 @ 0-6" | 3/9/2022 | 0-6 in. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | NA | NA | NA | NA | NA | NA | NA |
| SEP01-FL @ 4' | 3/9/2022 | 4 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | NA | NA | NA | NA | NA | NA | NA |
| MH01-B @ 1' | 3/9/2022 | 1 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | 0.00534 | 0.0198 | 0.00560 | <0.00500 | <0.00500 | 0.138 | 0.468 |
| MH01-E @ 0.5' | 3/9/2022 | 0.5 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.148 | 0.384 |
| SS01 @ 10' | 3/9/2022 | 10 ft. bgs | 0.025 | <0.0050 | 0.14 | 15 | 12 | 7.4 | 0.28 | 6,110 | 0.621 | 0.104 | 0.225 | 4.29 | 4.02 | 6.10 | 17.7 |
| SS02 @ 15' | 3/10/2022 | 15 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 3.50 | 0.683 |
| SS03 @ 10' | 3/10/2022 | 10 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | 2,020 | <0.00500 | 0.0431 | <0.00500 | <0.00500 | <0.00500 | 1.34 | 0.271 |
| SS04 @ 5' | 3/10/2022 | 5 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.962 | 0.360 |
| SS06 @ 10' | 3/10/2022 | 10 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.828 | 0.286 |
| SS07 @ 5' | 3/10/2022 | 5 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | NA | NA | NA | NA | NA | NA | NA |
| SS09 @ 10' | 3/10/2022 | 10 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.465 | 0.161 |
| SS10 @ 5' | 3/10/2022 | 5 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.197 | 0.0237 |
| SS12 @ 10' | 3/11/2022 | 10 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 1.04 | 0.105 |
| SS13 @ 5' | 3/11/2022 | 5 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.274 | 0.0513 |
| SS15 @ 10' | 3/11/2022 | 10 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 1.35 | 0.0964 |
| SS16 @ 5' | 3/11/2022 | 5 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.358 | 0.0502 |
| SEP01-DL-B @ 5' | 3/10/2022 | 5 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | 68 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.398 | 1.24 |
| SEP01-DL-E @ 2.5' | 3/10/2022 | 2.5 ft. bgs | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.616 | 1.13 |

Notes:

- Compounds referenced from the COGCC 2 CCR 404-1, Table 915-1, effective January 15, 2021.
 - Soil Screening Levels (SSL) referenced from EPA Regional Screening Levels (EPA RSLs) for Chemical Contaminants at Superfund Sites, effective November 2020.
 - SSLs are applicable if a pathway for communication with groundwater is present.
 - Value calculated by adding TVPH-GRO, TEPH-DRO, and TEPH-ORO concentrations.
- COGCC = Colorado Oil and Gas Conservation Commission
(<) = Analytical result is less than the indicated laboratory reporting limit.
TVPH-GRO = Total volatile petroleum hydrocarbons - gasoline range organics
TEPH-DRO = Total extractable petroleum hydrocarbons - diesel range organics
TEPH-ORO = Total extractable petroleum hydrocarbons - oil range organics
EC = Electrical conductivity
SAR = Sodium adsorption ratio
M = Methylnaphthalene
mg/kg = Milligrams per kilogram
TMB = Trimethylbenzene
= Source material characterization sample
ft. = Feet
in. = Inches
bgs = Below ground surface
BOLD = Analytical result is in exceedance of applicable standard and above 1.25x background concentration.
NA = Constituent not analyzed

TABLE 2
FORMER PEAK 1 TANK BATTERY
SOIL ANALYTICAL RESULTS SUMMARY TABLE
INORGANIC COMPOUNDS

| Sample ID | Date Sampled | Depth | pH (units) | EC (mmhos/cm) | SAR (units) | Boron (mg/L) |
|--|--------------|-------------|---------------|------------------|----------------|-----------------|
| Soil Suitability for Reclamation Standard ⁽¹⁾ | | | 6-8.3 | <4 | <6 | 2 |
| MH01-B @ 1' | 3/9/2022 | 1 ft. bgs | 8.21 | 0.138 | 0.468 | 0.864 |
| MH01-E @ 0.5' | 3/9/2022 | 0.5 ft. bgs | 8.20 | 0.148 | 0.384 | 0.0987 |
| SS01 @ 10' | 3/9/2022 | 10 ft. bgs | 7.99 | 6.10 | 17.7 | 0.0253 |
| SS11 @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 7.91 | 0.308 | 1.23 | 0.163 |
| SEP01-DL-B @ 5' | 3/10/2022 | 5 ft. bgs | 7.84 | 0.398 | 1.24 | 0.124 |
| SEP01-DL-E @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 7.91 | 0.616 | 1.13 | 0.0998 |

Notes:

1. Compounds referenced from the COGCC 2 CCR 404-1, Table 915-1, effective January 15, 2021.

COGCC = Colorado Oil and Gas Conservation Commission

EC = Electrical conductivity

SAR = Sodium adsorption ratio

mmhos/cm = millimhos per centimeter

mg/L = milligram per liter

ft. = Feet

bgs = Below ground surface

BOLD = Analytical result is in exceedance of applicable standard.

 = Source material characterization sample

TABLE 3
FORMER PEAK 1 TANK BATTERY
SOIL ANALYTICAL RESULTS SUMMARY TABLE
ORGANIC COMPOUNDS - PAHs

| Sample ID | Date Sampled | Depth | Acenaphthene (mg/kg) | Anthracene (mg/kg) | Benz(a) (mg/kg) | Benzo(a) (mg/kg) | Benzo(b) (mg/kg) | Benzo(k) (mg/kg) | Chrysene (mg/kg) | A,H (mg/kg) | Fluoranthene (mg/kg) | Fluorene (mg/kg) | 1,2,3-CD (mg/kg) | Pyrene (mg/kg) | 1-M (mg/kg) | 2-M (mg/kg) |
|---|--------------|-------------|-------------------------|-----------------------|--------------------|---------------------|---------------------|---------------------|---------------------|----------------|-------------------------|---------------------|---------------------|-------------------|----------------|----------------|
| Residential SSL ^(1,2) | | | 360 | 1,800 | 1.1 | 0.11 | 1.1 | 11 | 110 | 0.11 | 240 | 240 | 1.1 | 180 | 18 | 24 |
| Protection of Groundwater SSL ^(1,2,3) | | | 0.55 | 5.8 | 0.011 | 0.24 | 0.3 | 2.9 | 9 | 0.096 | 8.9 | 0.54 | 0.98 | 1.3 | 0.006 | 0.019 |
| MH01-B @ 1' | 3/9/2022 | 1 ft. bgs | 0.00534 | <0.00500 | <0.00500 | 0.0113 | 0.0187 | 0.00801 | 0.0198 | <0.00500 | 0.0683 | 0.00560 | 0.00522 | 0.0530 | <0.00500 | <0.00500 |
| MH01-E @ 0.5' | 3/9/2022 | 0.5 ft. bgs | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |
| SS01 @ 10' | 3/9/2022 | 10 ft. bgs | <0.0500 | 0.621 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | 0.104 | <0.0500 | <0.0500 | 0.225 | <0.0500 | <0.0500 | 4.29 | 4.02 |
| SS05 @ 2.5' | 3/10/2022 | 2.5 ft. bgs | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |
| SEP01-DL-B @ 5' | 3/10/2022 | 5 ft. bgs | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |
| SEP01-DL-E @ 2.5' | 3/10/2022 | 2.5 ft. bgs | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 |

Notes:

- Compounds referenced from the COGCC 2 CCR 404-1, Table 915-1, effective January 15, 2021.
- Soil Screening Levels (SSL) referenced from EPA Regional Screening Levels (EPA RSLs) for Chemical Contaminants at Superfund Sites, effective November 2020.
- SSLs are applicable if a pathway for communication with

COGCC = Colorado Oil and Gas Conservation Commission

(<) = Analytical result is less than the indicated laboratory reporting limit.

PAHs = Polycyclic aromatic hydrocarbons

Benz(a) = Benzantracene

Benzo(a) = Benzopyrene

Benzo(b) = Benzofluoranthene

Benzo(k) = Benzofluoranthene

A,H = Dibenzanthracene

1,2,3-CD = Indenopyrene

M = Methylanththalene

mg/kg = Milligrams per kilogram

 = Source material characterization sample

ft. = Feet

bgs = Below ground surface

BOLD = Analytical result is in exceedance of applicable standard.

TABLE 4
FORMER PEAK 1 TANK BATTERY
SOIL ANALYTICAL RESULTS SUMMARY TABLE
METALS

| Sample ID | Date Sampled | Depth | Arsenic (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (VI) (mg/kg) | Copper (mg/kg) | Lead (mg/kg) | Nickel (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Zinc (mg/kg) |
|--|--------------|-------------|-----------------|----------------|-----------------|-----------------------|----------------|--------------|----------------|------------------|----------------|--------------|
| Residential SSL ^(1,2) | | | 0.68 | 15,000 | 71 | 0.3 | 3,100 | 400 | 1,500 | 390 | 390 | 23,000 |
| Protection of Groundwater SSL ^(1,2,3) | | | 0.29 | 82 | 0.38 | 0.00067 | 46 | 14 | 26 | 0.26 | 0.8 | 370 |
| MH01-B @ 1' | 3/9/2022 | 1 ft. bgs | 2.29 | 144 | 0.608 | <0.30 ⁽⁴⁾ | 9.30 | 9.93 | 6.63 | 0.929 | 0.0451 | 37.9 |
| MH01-E @ 0.5' | 3/9/2022 | 0.5 ft. bgs | 1.37 | 75.0 | 0.268 | <0.30 ⁽⁴⁾ | 8.56 | 7.13 | 5.01 | 0.925 | 0.0440 | 38.2 |
| SS01 @ 10' | 3/9/2022 | 10 ft. bgs | 2.61 | 153 | <0.241 | <0.30 ⁽⁴⁾ | 5.33 | 6.64 | 5.62 | 0.884 | 0.0279 | 22.2 |
| SEP01-DL-B @ 5' | 3/10/2022 | 5 ft. bgs | 2.79 | 179 | <0.257 | <0.30 ⁽⁴⁾ | 6.71 | 7.69 | 6.67 | 0.761 | 0.0278 | 25.6 |
| SEP01-DL-E @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 2.35 | 173 | <0.254 | <0.30 ⁽⁴⁾ | 6.29 | 7.40 | 6.07 | 0.719 | 0.0367 | 25.7 |
| BKG01 @ 1' | 3/10/2022 | 1 ft. bgs | 2.30 | 98.7 | <0.223 | <0.30 ⁽⁴⁾ | 9.20 | 8.71 | 6.35 | 0.802 | 0.0489 | 39.2 |
| BKG01 @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 1.98 | 138 | 0.234 | <0.30 ⁽⁴⁾ | 6.26 | 7.76 | 6.17 | 0.696 | 0.0363 | 24.4 |
| BKG01 @ 4' | 3/10/2022 | 4 ft. bgs | 2.18 | 192 | <0.224 | <0.30 ⁽⁴⁾ | 4.72 | 7.20 | 5.29 | 0.653 | 0.0274 | 21.0 |
| BKG01 @ 5' | 3/10/2022 | 5 ft. bgs | 4.13 | 285 | <0.225 | <0.30 ⁽⁴⁾ | 4.25 | 6.13 | 4.61 | 0.632 | 0.0273 | 18.7 |
| BKG01 @ 10' | 3/10/2022 | 10 ft. bgs | 2.71 | 186 | <0.225 | <0.30 ⁽⁴⁾ | 4.72 | 6.69 | 5.04 | 0.644 | 0.0284 | 19.7 |

Notes:

- Compounds referenced from the COGCC 2 CCR 404-1, Table 915-1, effective January 15, 2021.
 - Soil Screening Levels (SSL) referenced from EPA Regional Screening Levels (EPA RSLs) for Chemical Contaminants at Superfund Sites, effective November 2020.
 - SSLs are applicable if a pathway for communication with groundwater is present.
 - Compound falls within COGCC Table 915-1 Footnote 9.
- COGCC = Colorado Oil and Gas Conservation Commission
(<) = Analytical result is less than the indicated laboratory reporting limit.
mg/kg = Milligrams per kilogram
= Source material characterization sample

ft. = Feet

bgs = Below ground surface

BOLD = Analytical result is in exceedance of applicable standard.

BOLD = Analytical result is in exceedance of applicable standard, but representative of native material condition. See below evaluation.

Meter house samples' metal evaluation:

Arsenic:

The mean arsenic concentration observed in background soil samples is 2.66 mg/kg. Four of the 5 source samples are below the mean native material arsenic concentration. The one arsenic concentration above the mean native material concentration (SEP01-DL-B @ 5' : 2.79 mg/kg) is however below 1.25x the mean arsenic concentration of 2.66 mg/kg (1.25x 2.66 mg/kg is 3.33 mg/kg). Furthermore, The 5 foot bgs native material arsenic concentration is 4.13 mg/kg, much higher than the 2.79 mg/kg arsenic concentration observed in SEP01-DL-B @ 5'.

Barium:

The mean barium concentration observed in background soil samples is 179.94 mg/kg. The highest barium concentration observed across all source samples is 179 mg/kg. All source barium concentrations are below the mean barium concentration in native material.

Cadmium:

The cadmium exceedance observed in MH01-B @ 1' bgs (0.608 mg/kg) will require further evaluation through supplemental site investigation activities.

Selenium:

Meter house: The highest source sample selenium concentration from the meter house is 0.929 mg/kg. This 1' sample is below 1.25x the 1' BKG01 sample (BKG01 @ 1' : 0.802 mg/kg; 1.25x 0.802 mg/kg is 1.00 mg/kg).

Separator dump-line: The highest source sample selenium concentration from the separator dump-line is 0.761 mg/kg. The mean background concentration is 0.685 mg/kg. 1.25x 0.685 mg/kg = 0.86 mg/kg, higher than the source sample selenium concentrations.

Reportable release SS01: Although 0.884 mg/kg is near 1.25x the mean background selenium concentration of 0.86 mg/kg, further evaluation is warranted through a supplemental site investigation of selenium in native material.

TABLE 5
FORMER PEAK 1 TANK BATTERY
FIELD DATA SUMMARY TABLE

| Sample ID | Date Sampled | Depth | GPS Data ⁽¹⁾ Latitude / Longitude | | PDOP Value | VOC Concentration ⁽²⁾ (ppm) |
|-------------------|--------------|-------------|---|-------------|---------------|--|
| SS01 @ 10' | 3/9/2022 | 10 ft. bgs | NC | NC | NA | 385.7 |
| AST01 @ 0-6" | 3/9/2022 | 0-6 in. bgs | 40.443923 | -104.593356 | 1.2 | 0.3 |
| SEP01-FL @ 4' | 3/9/2022 | 4 ft. bgs | 40.443959 | -104.593811 | 1.2 | 0.0 |
| MH01-B @ 1' | 3/9/2022 | 1 ft. bgs | 40.443919 | -104.593573 | 1.2 | 0.2 |
| MH01-N @ 0.5' | 3/9/2022 | 0.5 ft. bgs | 40.443927 | -104.593585 | 1.3 | 0.2 |
| MH01-W @ 0.5' | 3/9/2022 | 0.5 ft. bgs | 40.443920 | -104.593585 | 1.2 | 0.4 |
| MH01-S @ 0.5' | 3/9/2022 | 0.5 ft. bgs | 40.443903 | -104.593577 | 1.2 | 0.2 |
| MH01-E @ 0.5' | 3/9/2022 | 0.5 ft. bgs | 40.443913 | -104.593576 | 1.2 | 4.7 |
| SEP01-DL-B @ 5' | 3/10/2022 | 5 ft. bgs | 40.443969 | -104.593775 | 1.7 | 0.0 |
| SEP01-DL-N @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 40.443975 | -104.593770 | 1.8 | 1.2 |
| SEP01-DL-W @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 40.443971 | -104.593784 | 1.8 | 0.2 |
| SEP01-DL-S @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 40.443962 | -104.593776 | 1.9 | 0.1 |
| SEP01-DL-E @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 40.443971 | -104.593762 | 1.6 | 1.9 |
| SS02 @ 15' | 3/10/2022 | 15 ft. bgs | 40.443919 | -104.593388 | NA | 0.0 |
| SS03 @ 10' | 3/10/2022 | 10 ft. bgs | 40.443892 | -104.593402 | 1.2 | 2.9 |
| SS04 @ 5' | 3/10/2022 | 5 ft. bgs | 40.443892 | -104.593402 | 1.2 | 1.3 |
| SS05 @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 40.443892 | -104.593402 | 1.2 | 0.1 |
| SS06 @ 10' | 3/10/2022 | 10 ft. bgs | 40.443921 | -104.593421 | 1.2 | 0.0 |
| SS07 @ 5' | 3/10/2022 | 5 ft. bgs | 40.443921 | -104.593421 | 1.2 | 0.0 |
| SS08 @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 40.443921 | -104.593421 | 1.2 | 0.0 |
| SS09 @ 10' | 3/10/2022 | 10 ft. bgs | 40.443933 | -104.593383 | 1.2 | 0.0 |
| SS10 @ 5' | 3/10/2022 | 5 ft. bgs | 40.443933 | -104.593383 | 1.2 | 0.1 |
| SS11 @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 40.443933 | -104.593383 | 1.2 | 0.0 |
| BKG01 @ 1' | 3/10/2022 | 1 ft. bgs | 40.443773 | -104.593593 | 1.2 | 0.0 |
| BKG01 @ 2.5' | 3/10/2022 | 2.5 ft. bgs | 40.443773 | -104.593593 | 1.2 | 0.0 |
| BKG01 @ 4' | 3/10/2022 | 4 ft. bgs | 40.443773 | -104.593593 | 1.2 | 0.0 |
| BKG01 @ 5' | 3/10/2022 | 5 ft. bgs | 40.443773 | -104.593593 | 1.2 | 0.0 |
| BKG01 @ 10' | 3/10/2022 | 10 ft. bgs | 40.443773 | -104.593593 | 1.2 | 0.0 |
| SS12 @ 10' | 3/11/2022 | 10 ft. bgs | 40.443905 | -104.593356 | 1.4 | 0.0 |
| SS13 @ 5' | 3/11/2022 | 5 ft. bgs | 40.443905 | -104.593356 | 1.4 | 0.0 |
| SS14 @ 2.5' | 3/11/2022 | 2.5 ft. bgs | 40.443905 | -104.593356 | 1.4 | 0.0 |
| SS15 @ 10' | 3/11/2022 | 10 ft. bgs | 40.443883 | -104.593403 | 1.4 | 0.0 |
| SS16 @ 5' | 3/11/2022 | 5 ft. bgs | 40.443883 | -104.593403 | 1.4 | 0.0 |
| SS17 @ 2.5' | 3/11/2022 | 2.5 ft. bgs | 40.443883 | -104.593403 | 1.4 | 0.0 |

Notes:

1. Global Positioning System (GPS) data is provided in decimal degrees using World Geodetic System (WGS) 84 UTM Zone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dilution of Precision

ppm = Parts per million

ft. = Feet

in. = Inches

bgs = Below ground surface

 = Source material characterization sample

NC = Data not collected

NA = Not applicable

ATTACHMENT A

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 22, 2022

Mark Longhurst

PDC Energy

1775 Sherman St. STE. 3000

Denver, CO 80203

RE: Peak 1 Tank Battery

Work Order #2203161

Enclosed are the results of analyses for samples received by Summit Scientific on 03/09/22 17:57. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|----------------|
| SEP01-FL@4' | 2203161-01 | Soil | 03/09/22 12:05 | 03/09/22 17:57 |
| AST01@0-6" | 2203161-02 | Soil | 03/09/22 12:35 | 03/09/22 17:57 |
| SS01@10' | 2203161-03 | Soil | 03/09/22 14:15 | 03/09/22 17:57 |
| MH01-B@1' | 2203161-04 | Soil | 03/09/22 13:40 | 03/09/22 17:57 |
| MH01-E@0.5' | 2203161-06 | Soil | 03/09/22 14:05 | 03/09/22 17:57 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Summit Scientific

2203161

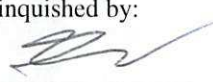
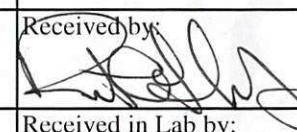
741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Client: PDC / Tasman
Address: 6855 W 119th Ave
City/State/Zip: Broomfield, CO 80020
Phone: Fax:
Sampler Name: Robert Aronoff

Project Manager: Mark Longhurst
E-Mail: mark.longhurst@pdce.com
Project Name: Peak 1 Tank Battery
Project Number:

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | | | Analyze For: | | | | | | | | | | Special Instructions | | | |
|--------------------|--------------|--------------|----------------------|--------------|------------------|------|-----------------|-------------|------|-------------------------|-----------------|---------------|--------------|-------------|-------------|------|------------|--------------|------|---|---|----------------------|---|---|--|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Canister Serial # | Other (Specify) | BTEXN (82608) | TPH (66-136) | pH, EC, SAR | Baron - HVS | TMBs | PAHs - 915 | Metals - 915 | Hold | | | | | | |
| SEP01-FL@4' | 3/9/22 | 12:05 | 3 | | | ✓ | | | ✓ | | | | | ✓ | ✓ | | | ✓ | | | | | | | |
| AST01 @ 0-6" | 3/9/22 | 12:35 | 3 | | | ✓ | | | ✓ | | | | | ✓ | ✓ | | | ✓ | | | | | | | |
| SS01 @ 10' | 3/9/22 | 14:15 | 3 | | | ✓ | | | ✓ | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MH01-B@1' | | 13:40 | 3 | | | ✓ | | | ✓ | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MH01-N@0.5' | | 14:00 | 3 | | | ✓ | | | ✓ | | | | | | | | | | | | | | | ✓ | |
| MH01-E@0.5' | | 14:05 | 3 | | | ✓ | | | ✓ | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MH01-S@0.5' | | 14:10 | 3 | | | ✓ | | | ✓ | | | | | | | | | | | | | | | ✓ | |
| MH01-W@0.5' | ✓ | 14:20 | 3 | | | ✓ | | | ✓ | | | | | | | | | | | | | | | ✓ | |

| | | | | | |
|--|---------------------------|---|----------------------|---|---|
| Relinquished by:  | Date/Time: 3/9/2022 17:40 | Received by: TLB | Date/Time: 3922 1757 | Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input type="checkbox"/> 48 Hours <input type="checkbox"/> | Notes: RA RA MH01-B@1' Run MH01-B@1' for metals |
| Relinquished by: TLB | Date/Time: 3922 1757 | Received by:  | Date/Time: 3922 1757 | | |
| Relinquished by: | Date/Time: | Received in Lab by: | Date/Time: | | |

| | |
|--|--|
| Sample Integrity: Temperature Upon Receipt: 7.7 Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
|--|--|

S₂

Sample Receipt Checklist

S2 Work Order#

2203161

Client: Peak/Tasman

Client Project ID:

Peak Tank BatteryShipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other

Airbill #:

Matrix (check all that apply):

☐ Air☒ Soil/Solid☐ Water☐ Other:


(Describe)

| | |
|-----------|------------|
| Temp (°C) | <u>7.7</u> |
|-----------|------------|

Thermometer ID: G86A9201901378

| | Yes | No | N/A | Comments (if any) |
|--|-------------------------------------|--------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | on ICE |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| If custody seals are present, are they intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Same day |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If dissolved metals are requested, were samples field filtered? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

 Custodian Printed Name or Initials

3.9.22

Date/Time



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

SEP01-FL@4'
2203161-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/22 12:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0172 | 03/09/22 | 03/09/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 12:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 100 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.6 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.7 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/22 12:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0173 | 03/09/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 12:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 128 % | 30-150 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

AST01@0-6"
2203161-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/22 12:35**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0172 | 03/09/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 12:35**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 100 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.8 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.9 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/22 12:35**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0173 | 03/09/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 12:35**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 129 % | 30-150 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

SS01@10'
2203161-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.025 | 0.0020 | mg/kg | 1 | BFC0172 | 03/09/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.14 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 15 | 0.10 | " | 10 | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 12 | 0.050 | " | " | " | " | " | " | E |
| 1,3,5-Trimethylbenzene | 7.4 | 0.050 | " | " | " | " | " | " | E |
| Naphthalene | 0.28 | 0.0038 | " | 1 | " | " | " | " | |
| Gasoline Range Hydrocarbons | 410 | 5.0 | " | 10 | " | " | " | " | |

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 96.8 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 68.0 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 123 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 5100 | 50 | mg/kg | 1 | BFC0173 | 03/09/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | 600 | 50 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 233 % | 30-150 | | " | " | " | " | S-02 |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

SS01@10'
2203161-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|--------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.0500 | mg/kg | 10 | BFC0175 | 03/10/22 | 03/12/22 | EPA 8270D SIM | |
| Anthracene | 0.621 | 0.0500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.0500 | " | " | " | " | " | " | |
| Chrysene | 0.104 | 0.0500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.0500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.0500 | " | " | " | " | " | " | |
| Fluorene | 0.225 | 0.0500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.0500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.0500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 4.29 | 0.500 | " | 100 | " | " | " | " | |
| 2-Methylnaphthalene | 4.02 | 0.500 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 52.6 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 39.2 % | 40-150 | | " | " | " | " | S-02 |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0253 | 0.0100 | mg/L | 1 | BFC0211 | 03/11/22 | 03/13/22 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

SS01@10'
2203161-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|--------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 2.61 | 0.241 | mg/kg dry | 1 | BFC0192 | 03/10/22 | 03/14/22 | EPA 6020B |
| Barium | 153 | 0.481 | " | " | " | " | " | " |
| Cadmium | ND | 0.241 | " | " | " | " | " | " |
| Copper | 5.33 | 0.481 | " | " | " | " | " | " |
| Lead | 6.64 | 0.241 | " | " | " | " | " | " |
| Nickel | 5.62 | 0.481 | " | " | " | " | " | " |
| Selenium | 0.884 | 0.313 | " | " | " | " | " | " |
| Silver | 0.0279 | 0.0241 | " | " | " | " | " | " |
| Zinc | 22.2 | 0.481 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFC0361 | 03/17/22 | 03/17/22 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 143 | 0.0601 | mg/L dry | 1 | BFC0202 | 03/10/22 | 03/13/22 | EPA 6020B | |
| Magnesium | 39.5 | 0.0601 | " | " | " | " | " | " | |
| Sodium | 925 | 0.0601 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 17.7 | 0.00100 | units | 1 | BFC0262 | 03/14/22 | 03/14/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

SS01@10'
2203161-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 83.1 | % | 1 | BFC0178 | 03/10/22 | 03/10/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 6.10 | 0.0100 | mmhos/cm | 1 | BFC0221 | 03/11/22 | 03/11/22 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/09/22 14:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.99 | | pH Units | 1 | BFC0222 | 03/11/22 | 03/11/22 | EPA 9045D | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

MH01-B@1'
2203161-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0172 | 03/09/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.2 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0173 | 03/09/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 132 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

MH01-B@1'
2203161-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|---------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | 0.00534 | 0.00500 | mg/kg | 1 | BFC0175 | 03/10/22 | 03/11/22 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | 0.0113 | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | 0.0187 | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | 0.00801 | 0.00500 | " | " | " | " | " | " | |
| Chrysene | 0.0198 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | 0.0683 | 0.00500 | " | " | " | " | " | " | |
| Fluorene | 0.00560 | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | 0.00522 | 0.00500 | " | " | " | " | " | " | |
| Pyrene | 0.0530 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 87.6 % | 40-150 | " | " | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 93.0 % | 40-150 | " | " | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.864 | 0.0100 | mg/L | 1 | BFC0211 | 03/11/22 | 03/13/22 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

MH01-B@1'
2203161-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|--------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 2.29 | 0.254 | mg/kg dry | 1 | BFC0192 | 03/10/22 | 03/14/22 | EPA 6020B |
| Barium | 144 | 0.508 | " | " | " | " | " | " |
| Cadmium | 0.608 | 0.254 | " | " | " | " | " | " |
| Copper | 9.30 | 0.508 | " | " | " | " | " | " |
| Lead | 9.93 | 0.254 | " | " | " | " | " | " |
| Nickel | 6.63 | 0.508 | " | " | " | " | " | " |
| Selenium | 0.929 | 0.331 | " | " | " | " | " | " |
| Silver | 0.0451 | 0.0254 | " | " | " | " | " | " |
| Zinc | 37.9 | 0.508 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFC0361 | 03/17/22 | 03/17/22 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 14.5 | 0.0636 | mg/L dry | 1 | BFC0202 | 03/10/22 | 03/13/22 | EPA 6020B | |
| Magnesium | 3.28 | 0.0636 | " | " | " | " | " | " | |
| Sodium | 7.57 | 0.0636 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.468 | 0.00100 | units | 1 | BFC0262 | 03/14/22 | 03/14/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

MH01-B@1'
2203161-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 78.7 | % | 1 | BFC0178 | 03/10/22 | 03/10/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.138 | 0.0100 | mmhos/cm | 1 | BFC0221 | 03/11/22 | 03/11/22 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/09/22 13:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.21 | | pH Units | 1 | BFC0222 | 03/11/22 | 03/11/22 | EPA 9045D | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

MH01-E@0.5'
2203161-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0172 | 03/09/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.0 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0173 | 03/09/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 131 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

MH01-E@0.5'
2203161-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFC0175 | 03/10/22 | 03/11/22 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 101 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 85.0 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0987 | 0.0100 | mg/L | 1 | BFC0211 | 03/11/22 | 03/13/22 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

MH01-E@0.5'
2203161-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|--------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 1.37 | 0.224 | mg/kg dry | 1 | BFC0192 | 03/10/22 | 03/14/22 | EPA 6020B |
| Barium | 75.0 | 0.448 | " | " | " | " | " | " |
| Cadmium | 0.268 | 0.224 | " | " | " | " | " | " |
| Copper | 8.56 | 0.448 | " | " | " | " | " | " |
| Lead | 7.13 | 0.224 | " | " | " | " | " | " |
| Nickel | 5.01 | 0.448 | " | " | " | " | " | " |
| Selenium | 0.925 | 0.291 | " | " | " | " | " | " |
| Silver | 0.0440 | 0.0224 | " | " | " | " | " | " |
| Zinc | 38.2 | 0.448 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFC0361 | 03/17/22 | 03/17/22 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 9.07 | 0.0560 | mg/L dry | 1 | BFC0202 | 03/10/22 | 03/13/22 | EPA 6020B | |
| Magnesium | 2.96 | 0.0560 | " | " | " | " | " | " | |
| Sodium | 5.21 | 0.0560 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.384 | 0.00100 | units | 1 | BFC0262 | 03/14/22 | 03/14/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

MH01-E@0.5'
2203161-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 89.3 | % | 1 | BFC0178 | 03/10/22 | 03/10/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.148 | 0.0100 | mmhos/cm | 1 | BFC0221 | 03/11/22 | 03/11/22 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/09/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.20 | | pH Units | 1 | BFC0222 | 03/11/22 | 03/11/22 | EPA 9045D | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0172 - EPA 5030 Soil MS

Blank (BFC0172-BLK1)

Prepared: 03/09/22 Analyzed: 03/10/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| Naphthalene | ND | 0.0038 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0361 | | " | 0.0400 | | 90.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.0408 | | " | 0.0400 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0393 | | " | 0.0400 | | 98.2 | 70-130 | | | |

LCS (BFC0172-BS1)

Prepared: 03/09/22 Analyzed: 03/10/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0617 | 0.0020 | mg/kg | 0.0750 | | 82.3 | 70-130 | | | |
| Toluene | 0.0644 | 0.0050 | " | 0.0750 | | 85.8 | 70-130 | | | |
| Ethylbenzene | 0.0657 | 0.0050 | " | 0.0750 | | 87.6 | 70-130 | | | |
| m,p-Xylene | 0.140 | 0.010 | " | 0.150 | | 93.1 | 70-130 | | | |
| o-Xylene | 0.0666 | 0.0050 | " | 0.0750 | | 88.8 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0721 | 0.0050 | " | 0.0750 | | 96.2 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0693 | 0.0050 | " | 0.0750 | | 92.4 | 70-130 | | | |
| Naphthalene | 0.0731 | 0.0038 | " | 0.0750 | | 97.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0371 | | " | 0.0400 | | 92.7 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.0407 | | " | 0.0400 | | 102 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0400 | | " | 0.0400 | | 99.9 | 70-130 | | | |

Matrix Spike (BFC0172-MS1)

Source: 2203156-01

Prepared: 03/09/22 Analyzed: 03/10/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0594 | 0.0020 | mg/kg | 0.0750 | ND | 79.2 | 70-130 | | | |
| Toluene | 0.0636 | 0.0050 | " | 0.0750 | ND | 84.8 | 70-130 | | | |
| Ethylbenzene | 0.0659 | 0.0050 | " | 0.0750 | ND | 87.8 | 70-130 | | | |
| m,p-Xylene | 0.138 | 0.010 | " | 0.150 | ND | 92.0 | 70-130 | | | |
| o-Xylene | 0.0667 | 0.0050 | " | 0.0750 | ND | 88.9 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0720 | 0.0050 | " | 0.0750 | ND | 96.0 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0701 | 0.0050 | " | 0.0750 | ND | 93.5 | 70-130 | | | |
| Naphthalene | 0.0724 | 0.0038 | " | 0.0750 | ND | 96.6 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0365 | | " | 0.0400 | | 91.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.0404 | | " | 0.0400 | | 101 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0403 | | " | 0.0400 | | 101 | 70-130 | | | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0172 - EPA 5030 Soil MS

| Matrix Spike Dup (BFC0172-MSD1) | Source: 2203156-01 | | | Prepared: 03/09/22 Analyzed: 03/10/22 | | | | | | |
|----------------------------------|--------------------|--------|-------|---------------------------------------|----|------|--------|------|----|--|
| Benzene | 0.0608 | 0.0020 | mg/kg | 0.0750 | ND | 81.0 | 70-130 | 2.25 | 30 | |
| Toluene | 0.0670 | 0.0050 | " | 0.0750 | ND | 89.4 | 70-130 | 5.28 | 30 | |
| Ethylbenzene | 0.0678 | 0.0050 | " | 0.0750 | ND | 90.4 | 70-130 | 2.87 | 30 | |
| m,p-Xylene | 0.142 | 0.010 | " | 0.150 | ND | 94.6 | 70-130 | 2.79 | 30 | |
| o-Xylene | 0.0680 | 0.0050 | " | 0.0750 | ND | 90.7 | 70-130 | 2.00 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0745 | 0.0050 | " | 0.0750 | ND | 99.3 | 70-130 | 3.44 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0734 | 0.0050 | " | 0.0750 | ND | 97.8 | 70-130 | 4.47 | 30 | |
| Naphthalene | 0.0741 | 0.0038 | " | 0.0750 | ND | 98.8 | 70-130 | 2.25 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0354 | | " | 0.0400 | | 88.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.0415 | | " | 0.0400 | | 104 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0399 | | " | 0.0400 | | 99.8 | 70-130 | | | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|----------------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0173 - EPA 3550A

Blank (BFC0173-BLK1)

Prepared: 03/09/22 Analyzed: 03/10/22

| | | | |
|---------------|----|----|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg |
| C28-C36 (ORO) | ND | 50 | " |

LCS (BFC0173-BS1)

Prepared: 03/09/22 Analyzed: 03/10/22

| | | | | | | |
|---------------|-----|----|-------|-----|-----|--------|
| C10-C28 (DRO) | 630 | 50 | mg/kg | 500 | 126 | 70-130 |
|---------------|-----|----|-------|-----|-----|--------|

Matrix Spike (BFC0173-MS1)

Source: 2203156-01

Prepared: 03/09/22 Analyzed: 03/10/22

| | | | | | | | |
|---------------|-----|----|-------|-----|-----|-----|--------|
| C10-C28 (DRO) | 734 | 50 | mg/kg | 500 | 165 | 114 | 70-130 |
|---------------|-----|----|-------|-----|-----|-----|--------|

Matrix Spike Dup (BFC0173-MSD1)

Source: 2203156-01

Prepared: 03/09/22 Analyzed: 03/10/22

| | | | | | | | | | |
|---------------|-----|----|-------|-----|-----|-----|--------|------|----|
| C10-C28 (DRO) | 680 | 50 | mg/kg | 500 | 165 | 103 | 70-130 | 7.68 | 20 |
|---------------|-----|----|-------|-----|-----|-----|--------|------|----|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0175 - EPA 5030 Soil MS

Blank (BFC0175-BLK1)

Prepared & Analyzed: 03/10/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0308 | | " | 0.0333 | | 92.5 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0240 | | " | 0.0333 | | 71.9 | 40-150 | | | |

LCS (BFC0175-BS1)

Prepared & Analyzed: 03/10/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | 0.0232 | 0.00500 | mg/kg | 0.0333 | | 69.6 | 31-137 | | | |
| Anthracene | 0.0243 | 0.00500 | " | 0.0333 | | 72.8 | 30-120 | | | |
| Benzo (a) anthracene | 0.0253 | 0.00500 | " | 0.0333 | | 75.9 | 30-120 | | | |
| Benzo (a) pyrene | 0.0232 | 0.00500 | " | 0.0333 | | 69.7 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0239 | 0.00500 | " | 0.0333 | | 71.8 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0251 | 0.00500 | " | 0.0333 | | 75.4 | 30-120 | | | |
| Chrysene | 0.0256 | 0.00500 | " | 0.0333 | | 76.7 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0216 | 0.00500 | " | 0.0333 | | 64.9 | 30-120 | | | |
| Fluoranthene | 0.0249 | 0.00500 | " | 0.0333 | | 74.7 | 30-120 | | | |
| Fluorene | 0.0238 | 0.00500 | " | 0.0333 | | 71.5 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0135 | 0.00500 | " | 0.0333 | | 40.5 | 30-120 | | | |
| Pyrene | 0.0252 | 0.00500 | " | 0.0333 | | 75.5 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0318 | 0.00500 | " | 0.0333 | | 95.4 | 35-142 | | | |
| 2-Methylnaphthalene | 0.0339 | 0.00500 | " | 0.0333 | | 102 | 35-142 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0348 | | " | 0.0333 | | 104 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0279 | | " | 0.0333 | | 83.7 | 40-150 | | | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0175 - EPA 5030 Soil MS

Matrix Spike (BFC0175-MS1)

Source: 2203156-01

Prepared & Analyzed: 03/10/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|---------|------|--------|--|--|--|
| Acenaphthene | 0.0400 | 0.00500 | mg/kg | 0.0333 | ND | 120 | 31-137 | | | |
| Anthracene | 0.0244 | 0.00500 | " | 0.0333 | ND | 73.1 | 30-120 | | | |
| Benzo (a) anthracene | 0.0269 | 0.00500 | " | 0.0333 | ND | 80.8 | 30-120 | | | |
| Benzo (a) pyrene | 0.0213 | 0.00500 | " | 0.0333 | ND | 64.0 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0229 | 0.00500 | " | 0.0333 | ND | 68.8 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0212 | 0.00500 | " | 0.0333 | ND | 63.7 | 30-120 | | | |
| Chrysene | 0.0310 | 0.00500 | " | 0.0333 | 0.00734 | 70.9 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0134 | 0.00500 | " | 0.0333 | ND | 40.3 | 30-120 | | | |
| Fluoranthene | 0.0296 | 0.00500 | " | 0.0333 | ND | 88.9 | 30-120 | | | |
| Fluorene | 0.0337 | 0.00500 | " | 0.0333 | 0.0149 | 56.1 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0104 | 0.00500 | " | 0.0333 | ND | 31.2 | 30-120 | | | |
| Pyrene | 0.0315 | 0.00500 | " | 0.0333 | ND | 94.5 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0294 | 0.00500 | " | 0.0333 | ND | 88.3 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0318 | 0.00500 | " | 0.0333 | ND | 95.5 | 15-130 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0242 | | " | 0.0333 | | 72.5 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0319 | | " | 0.0333 | | 95.8 | 40-150 | | | |

Matrix Spike Dup (BFC0175-MSD1)

Source: 2203156-01

Prepared: 03/10/22 Analyzed: 03/11/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|---------|------|--------|------|----|-------|
| Acenaphthene | 0.0461 | 0.00500 | mg/kg | 0.0333 | ND | 138 | 31-137 | 14.2 | 30 | QM-07 |
| Anthracene | 0.0307 | 0.00500 | " | 0.0333 | ND | 92.2 | 30-120 | 23.1 | 30 | |
| Benzo (a) anthracene | 0.0328 | 0.00500 | " | 0.0333 | ND | 98.3 | 30-120 | 19.5 | 30 | |
| Benzo (a) pyrene | 0.0271 | 0.00500 | " | 0.0333 | ND | 81.4 | 30-120 | 24.0 | 30 | |
| Benzo (b) fluoranthene | 0.0289 | 0.00500 | " | 0.0333 | ND | 86.6 | 30-120 | 22.9 | 30 | |
| Benzo (k) fluoranthene | 0.0266 | 0.00500 | " | 0.0333 | ND | 79.8 | 30-120 | 22.4 | 30 | |
| Chrysene | 0.0377 | 0.00500 | " | 0.0333 | 0.00734 | 91.1 | 30-120 | 19.6 | 30 | |
| Dibenz (a,h) anthracene | 0.0171 | 0.00500 | " | 0.0333 | ND | 51.4 | 30-120 | 24.4 | 30 | |
| Fluoranthene | 0.0363 | 0.00500 | " | 0.0333 | ND | 109 | 30-120 | 20.1 | 30 | |
| Fluorene | 0.0387 | 0.00500 | " | 0.0333 | 0.0149 | 71.3 | 30-120 | 14.0 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.0130 | 0.00500 | " | 0.0333 | ND | 39.0 | 30-120 | 22.1 | 30 | |
| Pyrene | 0.0377 | 0.00500 | " | 0.0333 | ND | 113 | 35-142 | 18.0 | 30 | |
| 1-Methylnaphthalene | 0.0361 | 0.00500 | " | 0.0333 | ND | 108 | 15-130 | 20.3 | 50 | |
| 2-Methylnaphthalene | 0.0411 | 0.00500 | " | 0.0333 | ND | 123 | 15-130 | 25.5 | 50 | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0339 | | " | 0.0333 | | 102 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0397 | | " | 0.0333 | | 119 | 40-150 | | | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]

Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0211 - EPA 3050B

Blank (BFC0211-BLK1)

Prepared: 03/11/22 Analyzed: 03/13/22

Boron ND 0.0100 mg/L

LCS (BFC0211-BS1)

Prepared: 03/11/22 Analyzed: 03/13/22

Boron 4.74 0.0100 mg/L 5.00 94.7 80-120

Duplicate (BFC0211-DUP1)

Source: 2203066-01

Prepared: 03/11/22 Analyzed: 03/13/22

Boron 0.424 0.0100 mg/L 0.436 2.69 20

Matrix Spike (BFC0211-MS1)

Source: 2203066-01

Prepared: 03/11/22 Analyzed: 03/13/22

Boron 4.99 0.0100 mg/L 5.00 0.436 91.1 75-125

Matrix Spike Dup (BFC0211-MSD1)

Source: 2203066-01

Prepared: 03/11/22 Analyzed: 03/13/22

Boron 5.36 0.0100 mg/L 5.00 0.436 98.4 75-125 7.06 25

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Total Metals by EPA 6020B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0192 - EPA 3050B

Blank (BFC0192-BLK1)

Prepared: 03/10/22 Analyzed: 03/14/22

| | | | |
|----------|----|--------|-----------|
| Arsenic | ND | 0.200 | mg/kg wet |
| Barium | ND | 0.400 | " |
| Cadmium | ND | 0.200 | " |
| Copper | ND | 0.400 | " |
| Lead | ND | 0.200 | " |
| Nickel | ND | 0.400 | " |
| Selenium | ND | 0.260 | " |
| Silver | ND | 0.0200 | " |
| Zinc | ND | 0.400 | " |

LCS (BFC0192-BS1)

Prepared: 03/10/22 Analyzed: 03/14/22

| | | | | | | |
|----------|------|--------|-----------|------|------|--------|
| Arsenic | 34.2 | 0.200 | mg/kg wet | 40.0 | 85.4 | 80-120 |
| Barium | 33.2 | 0.400 | " | 40.0 | 83.0 | 80-120 |
| Cadmium | 1.73 | 0.200 | " | 2.00 | 86.5 | 80-120 |
| Copper | 35.6 | 0.400 | " | 40.0 | 89.1 | 80-120 |
| Lead | 17.3 | 0.200 | " | 20.0 | 86.4 | 80-120 |
| Nickel | 34.6 | 0.400 | " | 40.0 | 86.4 | 80-120 |
| Selenium | 3.44 | 0.260 | " | 4.00 | 86.0 | 80-120 |
| Silver | 1.69 | 0.0200 | " | 2.00 | 84.3 | 80-120 |
| Zinc | 34.9 | 0.400 | " | 40.0 | 87.2 | 80-120 |

Duplicate (BFC0192-DUP1)

Source: 2203157-01

Prepared: 03/10/22 Analyzed: 03/14/22

| | | | | | | |
|----------|--------|--------|-----------|--------|-------|----|
| Arsenic | 3.32 | 0.225 | mg/kg dry | 3.43 | 3.28 | 20 |
| Barium | 26.4 | 0.450 | " | 30.9 | 15.5 | 20 |
| Cadmium | 0.133 | 0.225 | " | 0.206 | 43.1 | 20 |
| Copper | 8.65 | 0.450 | " | 8.53 | 1.41 | 20 |
| Lead | 7.79 | 0.225 | " | 7.73 | 0.681 | 20 |
| Nickel | 7.38 | 0.450 | " | 7.84 | 6.05 | 20 |
| Selenium | 0.722 | 0.293 | " | 0.697 | 3.45 | 20 |
| Silver | 0.0129 | 0.0225 | " | 0.0153 | 17.3 | 20 |
| Zinc | 35.6 | 0.450 | " | 37.2 | 4.26 | 20 |

QR-03

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Total Metals by EPA 6020B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0192 - EPA 3050B

| Matrix Spike (BFC0192-MS1) | | Source: 2203157-01 | | | Prepared: 03/10/22 | | Analyzed: 03/14/22 | |
|----------------------------|------|--------------------|-----------|------|--------------------|------|--------------------|-------|
| Arsenic | 38.5 | 0.225 | mg/kg dry | 45.0 | 3.43 | 78.0 | 75-125 | |
| Barium | 60.9 | 0.450 | " | 45.0 | 30.9 | 66.7 | 75-125 | QR-03 |
| Cadmium | 2.16 | 0.225 | " | 2.25 | 0.206 | 86.6 | 75-125 | |
| Copper | 41.9 | 0.450 | " | 45.0 | 8.53 | 74.2 | 75-125 | QR-03 |
| Lead | 24.8 | 0.225 | " | 22.5 | 7.73 | 75.8 | 75-125 | |
| Nickel | 40.8 | 0.450 | " | 45.0 | 7.84 | 73.3 | 75-125 | QR-03 |
| Selenium | 3.67 | 0.293 | " | 4.50 | 0.697 | 65.9 | 75-125 | QR-03 |
| Silver | 1.72 | 0.0225 | " | 2.25 | 0.0153 | 75.6 | 75-125 | |
| Zinc | 74.7 | 0.450 | " | 45.0 | 37.2 | 83.2 | 75-125 | |

| Matrix Spike Dup (BFC0192-MSD1) | | Source: 2203157-01 | | | Prepared: 03/10/22 | | Analyzed: 03/14/22 | |
|---------------------------------|------|--------------------|-----------|------|--------------------|------|--------------------|---------------|
| Arsenic | 39.4 | 0.225 | mg/kg dry | 45.0 | 3.43 | 79.9 | 75-125 | 2.28 25 |
| Barium | 63.5 | 0.450 | " | 45.0 | 30.9 | 72.5 | 75-125 | 4.19 25 QR-03 |
| Cadmium | 1.98 | 0.225 | " | 2.25 | 0.206 | 78.8 | 75-125 | 8.54 25 |
| Copper | 42.9 | 0.450 | " | 45.0 | 8.53 | 76.4 | 75-125 | 2.39 25 |
| Lead | 24.7 | 0.225 | " | 22.5 | 7.73 | 75.2 | 75-125 | 0.566 25 |
| Nickel | 41.7 | 0.450 | " | 45.0 | 7.84 | 75.3 | 75-125 | 2.18 25 |
| Selenium | 3.59 | 0.293 | " | 4.50 | 0.697 | 64.2 | 75-125 | 2.16 25 QR-03 |
| Silver | 1.77 | 0.0225 | " | 2.25 | 0.0153 | 77.8 | 75-125 | 2.92 25 |
| Zinc | 78.3 | 0.450 | " | 45.0 | 37.2 | 91.2 | 75-125 | 4.69 25 |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0361 - 3060A Mod

Blank (BFC0361-BLK1)

Prepared & Analyzed: 03/17/22

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BFC0361-BS1)

Prepared & Analyzed: 03/17/22

Chromium, Hexavalent 23.8 0.30 mg/kg wet 25.0 95.4 80-120

Duplicate (BFC0361-DUP1)

Source: 2203157-13

Prepared & Analyzed: 03/17/22

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BFC0361-MS1)

Source: 2203157-13

Prepared & Analyzed: 03/17/22

Chromium, Hexavalent 30.9 0.30 mg/kg dry 27.4 ND 113 75-125

Matrix Spike Dup (BFC0361-MSD1)

Source: 2203157-13

Prepared & Analyzed: 03/17/22

Chromium, Hexavalent 27.5 0.30 mg/kg dry 27.4 ND 100 75-125 11.6 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|----------------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0202 - General Preparation

Blank (BFC0202-BLK1)

Prepared: 03/10/22 Analyzed: 03/13/22

| | | | |
|-----------|----|--------|----------|
| Calcium | ND | 0.0500 | mg/L wet |
| Magnesium | ND | 0.0500 | " |
| Sodium | ND | 0.0500 | " |

LCS (BFC0202-BS1)

Prepared: 03/10/22 Analyzed: 03/13/22

| | | | | | | |
|-----------|------|--------|----------|------|-----|--------|
| Calcium | 5.07 | 0.0500 | mg/L wet | 5.00 | 101 | 70-130 |
| Magnesium | 5.12 | 0.0500 | " | 5.00 | 102 | 70-130 |
| Sodium | 5.00 | 0.0500 | " | 5.00 | 100 | 70-130 |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|----------------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0178 - General Preparation

| Duplicate (BFC0178-DUP1) | | Source: 2203121-01 | | | Prepared & Analyzed: 03/10/22 | | | | | |
|--------------------------|------|--------------------|---|--|-------------------------------|--|-------|--|----|--|
| % Solids | 86.6 | | % | | 86.8 | | 0.237 | | 20 | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|----------------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0221 - General Preparation

Blank (BFC0221-BLK1)

Prepared & Analyzed: 03/11/22

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BFC0221-BS1)

Prepared & Analyzed: 03/11/22

Specific Conductance (EC) 0.150 0.0100 mmhos/cm 0.150 100 95-105

Duplicate (BFC0221-DUP1)

Source: 2203106-01

Prepared & Analyzed: 03/11/22

Specific Conductance (EC) 0.644 0.0100 mmhos/cm 0.646 0.310 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]

Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|----------------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0222 - General Preparation

LCS (BFC0222-BS1)

Prepared & Analyzed: 03/11/22

| | | | | | |
|----|------|----------|------|-----|--------|
| pH | 9.18 | pH Units | 9.18 | 100 | 95-105 |
|----|------|----------|------|-----|--------|

Duplicate (BFC0222-DUP1)

Source: 2203106-01

Prepared & Analyzed: 03/11/22

| | | | | | |
|----|------|----------|------|-------|----|
| pH | 8.09 | pH Units | 8.13 | 0.493 | 20 |
|----|------|----------|------|-------|----|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/22/22 15:10

Notes and Definitions

| | |
|-------|---|
| S-02 | The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract. |
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery. |
| E | The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 25, 2022

Mark Longhurst

PDC Energy

1775 Sherman St. STE. 3000


Denver, CO 80203

RE: Peak 1 Tank Battery

Work Order #2203177

Enclosed are the results of analyses for samples received by Summit Scientific on 03/10/22 16:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Muri Premer", is displayed on a light purple rectangular background.

Muri Premer For Paul Shrewsbury
President



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|--------|----------------|----------------|
| SEP01-DL-B@5' | 2203177-01 | Soil | 03/10/22 10:20 | 03/10/22 16:45 |
| SEP01-DL-E@2.5' | 2203177-05 | Soil | 03/10/22 10:28 | 03/10/22 16:45 |
| BKG01@1' | 2203177-06 | Soil | 03/10/22 14:30 | 03/10/22 16:45 |
| BKG01@2.5' | 2203177-07 | Soil | 03/10/22 14:35 | 03/10/22 16:45 |
| BKG01@4' | 2203177-08 | Soil | 03/10/22 14:40 | 03/10/22 16:45 |
| BKG01@5' | 2203177-09 | Soil | 03/10/22 14:45 | 03/10/22 16:45 |
| BKG01@10' | 2203177-10 | Soil | 03/10/22 14:55 | 03/10/22 16:45 |
| SS02@15' | 2203177-11 | Soil | 03/10/22 09:30 | 03/10/22 16:45 |
| SS03@10' | 2203177-12 | Soil | 03/10/22 12:10 | 03/10/22 16:45 |
| SS04@5' | 2203177-13 | Soil | 03/10/22 12:15 | 03/10/22 16:45 |
| SS05@2.5' | 2203177-14 | Soil | 03/10/22 12:20 | 03/10/22 16:45 |
| SS06@10' | 2203177-15 | Soil | 03/10/22 13:35 | 03/10/22 16:45 |
| SS07@5' | 2203177-16 | Soil | 03/10/22 13:40 | 03/10/22 16:45 |
| SS09@10' | 2203177-18 | Soil | 03/10/22 13:55 | 03/10/22 16:45 |
| SS10@5' | 2203177-19 | Soil | 03/10/22 14:00 | 03/10/22 16:45 |
| SS11@2.5' | 2203177-20 | Soil | 03/10/22 14:05 | 03/10/22 16:45 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Summit Scientific

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4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310

2203177.1

Page 1 of 2

Client: PDC / Tasman

Project Manager: Mark Longhurst

Address: 6855 W 119th Ave

E-Mail: mark.longhurst@PDCE.com

City/State/Zip: Broomfield/ CO/ 80020


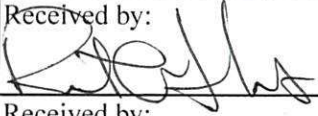
Phone: 303-487-1228

Project Name: Peak 2 Tank Battery

Sampler Name: David Vig

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|--------------------|------------------|-------------|-------------|----------------------|-----------|--------------|---|----------------------|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | BTEXN - 8260B | TPH - (C6 - C36) | pH, EC, SAR | Boron - HWS | TMBs (1,2,4)&(1,3,5) | PAH - 915 | Metals - 915 | | |
| 1 | SEP01-DL-B05' | 3/10/22 | 1020 | 3 | | | X | | | X | | | | X | X | X | X | X | X | X | |
| 2 | SEP01-DL-N02.5' | | 1022 | 3 | | | X | | | X | | | | | | | | | | X | |
| 3 | SEP01-DL-W02.5' | | 1024 | 3 | | | X | | | X | | | | | | | | | | X | |
| 4 | SEP01-DL-S02.5' | | 1026 | 3 | | | X | | | X | | | | | | | | | | X | |
| 5 | SEP01-DL-E02.5' | | 1028 | 3 | | | X | | | X | | | | X | X | X | X | X | X | | |
| 6 | BK60101' | | 1430 | 1 | | | X | | | X | | | | | | | | | | X | |
| 7 | BK60102.5' | | 1435 | 1 | | | X | | | X | | | | | | | | | | X | |
| 8 | BK60104' | | 1440 | 1 | | | X | | | X | | | | | | | | | | X | |
| 9 | BK60105' | | 1445 | 1 | | | X | | | X | | | | | | | | | | X | |
| 10 | BK601010' | | 1455 | 1 | | | X | | | X | | | | | | | | | | X | |


| | | | | | |
|--|-------------------------|--|-------------------------|---|---------------|
| Relinquished by:  | Date/Time: 3/10/22 1645 | Received by: Tasman's Lock Box RCH | Date/Time: 3/10/22 1645 | Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 72 hours — 24 hours — Standard — 48 hours — Sample Integrity: Temperature Upon Receipt: 4.3 Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | Notes: |
| Relinquished by: Tasman's Lock Box | Date/Time: | Received by:  | Date/Time: 3/10/22 1645 | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | | |

5.

303-277-9310

Page 2 of 2

Project Number:

| | | | | | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | Special Instructions | |
|--|--------------------|-------------------------|--------------|--------------------------------|--------------|------------|------|---|--------|--------|----------------|-------|--------------------|------------------|-------------|-------------|----------------------|-----------|--------------|---|--------------------------------|--|
| ID | Sample Description | Date Sampled | Time Sampled | # of containers | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | BTEXN - 8260B | TPH - (C6 - C36) | pH, EC, SAR | Boron - HWS | TMBs (1,2,4)&(1,3,5) | PAH - 915 | Metals - 915 | | pH, EC, SAR by saturated paste | |
| 1 | SS02@15' | 3/10/22 | 0930 | 3 | | | X | | | X | | | X | X | | | X | | | | | |
| 2 | SS03@10' | | 1210 | 3 | | | X | | | X | | | X | X | | | X | | | | | |
| 3 | SS04@5' | | 1215 | 3 | | | X | | | X | | | X | X | | | X | | | | | |
| 4 | SS05@2.5' | | 1220 | 1 | | | X | | | X | | | | | | | | | | X | | |
| 5 | SS06@10' | | 1335 | 3 | | | X | | | X | | | X | X | | | X | | | | | |
| 6 | SS07@5' | | 1340 | 3 | | | X | | | X | | | X | X | | | X | | | | | |
| 7 | SS08@2.5' | | 1345 | 1 | | | X | | | X | | | | | | | | | | X | | |
| 8 | SS09@10' | | 1355 | 3 | | | X | | | X | | | X | X | | | X | | | | | |
| 9 | SS10@5' | | 1400 | 3 | | | X | | | X | | | X | X | | | X | | | | | |
| 10 | SS11@2.5' | ✓ | 1405 | 1 | | | X | | | X | | | | | X | X | | | | | | |
| Relinquished by:  | | Date/Time: 3/10/22 1645 | | Received by: Tasman's Lock Box | | Date/Time: | | Turn Around Time (Check) | | Notes: | | | | | | | | | | | | |
| | | | | | | | | Same Day <input checked="" type="checkbox"/> 72 hours | | | | | | | | | | | | | | |
| | | | | | | | | 24 hours <input type="checkbox"/> Standard | | | | | | | | | | | | | | |
| | | | | | | | | 48 hours <input type="checkbox"/> | | | | | | | | | | | | | | |
| | | | | | | | | Sample Integrity: | | | | | | | | | | | | | | |
| | | | | | | | | Temperature Upon Receipt: 43 | | | | | | | | | | | | | | |
| | | | | | | | | Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | | | | | |

S₂

2/2

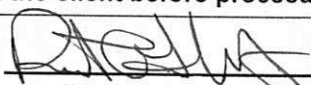
Sample Receipt Checklist

S2 Work Order# 2203177

Client: Port Tasman Client Project ID: Peak 1 Tank BatteryShipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☐ Air ☐ Soil/Solid ☐ Water ☐ Other: ☐ (Describe)Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: ☐ (Describe)Temp (°C) 4.3

Thermometer ID: G86A9201901378

| | Yes | No | N/A | Comments (if any) |
|--|-------------------------------------|--------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | on ICE |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| If custody seals are present, are they intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Same day |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If dissolved metals are requested, were samples field filtered? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Additional Comments (if any): | | | | |
| ⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative. | | | | |


 Custodian Printed Name or Initials

3-1-0-22
 Date/Time



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SEP01-DL-B@5'
2203177-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0208 | 03/10/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.8 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| C10-C28 (DRO) | 68 | 50 | mg/kg | 1 | BFC0209 | 03/10/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: o-Terphenyl | | 120 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SEP01-DL-B@5'
2203177-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFC0210 | 03/11/22 | 03/12/22 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 49.1 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 43.3 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.124 | 0.0100 | mg/L | 1 | BFC0211 | 03/11/22 | 03/13/22 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SEP01-DL-B@5'
2203177-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|--------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 2.79 | 0.257 | mg/kg dry | 1 | BFC0217 | 03/11/22 | 03/15/22 | EPA 6020B |
| Barium | 179 | 0.514 | " | " | " | " | " | " |
| Cadmium | ND | 0.257 | " | " | " | " | " | " |
| Copper | 6.71 | 0.514 | " | " | " | " | " | " |
| Lead | 7.69 | 0.257 | " | " | " | " | " | " |
| Nickel | 6.67 | 0.514 | " | " | " | " | " | " |
| Selenium | 0.761 | 0.334 | " | " | " | " | " | " |
| Silver | 0.0278 | 0.0257 | " | " | " | " | " | " |
| Zinc | 25.6 | 0.514 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFC0361 | 03/17/22 | 03/17/22 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 28.4 | 0.0642 | mg/L dry | 1 | BFC0226 | 03/11/22 | 03/15/22 | EPA 6020B | |
| Magnesium | 10.5 | 0.0642 | " | " | " | " | " | " | |
| Sodium | 30.5 | 0.0642 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.24 | 0.00100 | units | 1 | BFC0330 | 03/16/22 | 03/16/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SEP01-DL-B@5'
2203177-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 77.8 | % | 1 | BFC0287 | 03/15/22 | 03/15/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.398 | 0.0100 | mmhos/cm | 1 | BFC0250 | 03/14/22 | 03/14/22 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/10/22 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.84 | | pH Units | 1 | BFC0249 | 03/14/22 | 03/14/22 | EPA 9045D | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SEP01-DL-E@2.5'
2203177-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0208 | 03/10/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 91.5 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 107 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 93.5 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0209 | 03/10/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 121 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SEP01-DL-E@2.5'
2203177-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFC0210 | 03/11/22 | 03/12/22 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 40.1 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 57.4 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0998 | 0.0100 | mg/L | 1 | BFC0211 | 03/11/22 | 03/13/22 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SEP01-DL-E@2.5'
2203177-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|--------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 2.35 | 0.254 | mg/kg dry | 1 | BFC0217 | 03/11/22 | 03/15/22 | EPA 6020B |
| Barium | 173 | 0.508 | " | " | " | " | " | " |
| Cadmium | ND | 0.254 | " | " | " | " | " | " |
| Copper | 6.29 | 0.508 | " | " | " | " | " | " |
| Lead | 7.40 | 0.254 | " | " | " | " | " | " |
| Nickel | 6.07 | 0.508 | " | " | " | " | " | " |
| Selenium | 0.719 | 0.330 | " | " | " | " | " | " |
| Silver | 0.0367 | 0.0254 | " | " | " | " | " | " |
| Zinc | 25.7 | 0.508 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFC0361 | 03/17/22 | 03/17/22 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 45.8 | 0.0634 | mg/L dry | 1 | BFC0226 | 03/11/22 | 03/15/22 | EPA 6020B | |
| Magnesium | 19.5 | 0.0634 | " | " | " | " | " | " | |
| Sodium | 36.3 | 0.0634 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.13 | 0.00100 | units | 1 | BFC0330 | 03/16/22 | 03/16/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SEP01-DL-E@2.5'
2203177-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 78.8 | % | 1 | BFC0287 | 03/15/22 | 03/15/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.616 | 0.0100 | mmhos/cm | 1 | BFC0250 | 03/14/22 | 03/14/22 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/10/22 10:28**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.91 | | pH Units | 1 | BFC0249 | 03/14/22 | 03/14/22 | EPA 9045D | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

BKG01@1'
2203177-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **03/10/22 14:30**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|---------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 2.30 | 0.223 | mg/kg dry | 1 | BFC0217 | 03/11/22 | 03/15/22 | EPA 6020B | |
| Barium | 98.7 | 0.445 | " | " | " | " | " | " | |
| Cadmium | ND | 0.223 | " | " | " | " | " | " | |
| Copper | 9.20 | 0.445 | " | " | " | " | " | " | |
| Lead | 8.71 | 0.223 | " | " | " | " | " | " | |
| Nickel | 6.35 | 0.445 | " | " | " | " | " | " | |
| Selenium | 0.802 | 0.289 | " | " | " | " | " | " | |
| Silver | 0.0489 | 0.0223 | " | " | " | " | " | " | |
| Zinc | 39.2 | 0.445 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/22 14:30**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFC0361 | 03/17/22 | 03/17/22 | EPA 7196A | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 14:30**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| % Solids | 89.8 | | % | 1 | BFC0287 | 03/15/22 | 03/15/22 | Calculation | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

BKG01@2.5'
2203177-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **03/10/22 14:35**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.98 | 0.224 | mg/kg dry | 1 | BFC0217 | 03/11/22 | 03/15/22 | EPA 6020B | |
| Barium | 138 | 0.448 | " | " | " | " | " | " | |
| Cadmium | 0.234 | 0.224 | " | " | " | " | " | " | |
| Copper | 6.26 | 0.448 | " | " | " | " | " | " | |
| Lead | 7.76 | 0.224 | " | " | " | " | " | " | |
| Nickel | 6.17 | 0.448 | " | " | " | " | " | " | |
| Selenium | 0.696 | 0.291 | " | " | " | " | " | " | |
| Silver | 0.0363 | 0.0224 | " | " | " | " | " | " | |
| Zinc | 24.4 | 0.448 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/22 14:35**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFC0361 | 03/17/22 | 03/17/22 | EPA 7196A | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 14:35**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| % Solids | 89.2 | | % | 1 | BFC0287 | 03/15/22 | 03/15/22 | Calculation | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

BKG01@4'
2203177-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **03/10/22 14:40**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 2.18 | 0.224 | mg/kg dry | 1 | BFC0217 | 03/11/22 | 03/15/22 | EPA 6020B | |
| Barium | 192 | 0.449 | " | " | " | " | " | " | |
| Cadmium | ND | 0.224 | " | " | " | " | " | " | |
| Copper | 4.72 | 0.449 | " | " | " | " | " | " | |
| Lead | 7.20 | 0.224 | " | " | " | " | " | " | |
| Nickel | 5.29 | 0.449 | " | " | " | " | " | " | |
| Selenium | 0.653 | 0.292 | " | " | " | " | " | " | |
| Silver | 0.0274 | 0.0224 | " | " | " | " | " | " | |
| Zinc | 21.0 | 0.449 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/22 14:40**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFC0361 | 03/17/22 | 03/17/22 | EPA 7196A | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 14:40**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| % Solids | 89.2 | | % | 1 | BFC0287 | 03/15/22 | 03/15/22 | Calculation | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

BKG01@5'
2203177-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **03/10/22 14:45**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 4.13 | 0.225 | mg/kg dry | 1 | BFC0217 | 03/11/22 | 03/15/22 | EPA 6020B | |
| Barium | 285 | 0.449 | " | " | " | " | " | " | |
| Cadmium | ND | 0.225 | " | " | " | " | " | " | |
| Copper | 4.25 | 0.449 | " | " | " | " | " | " | |
| Lead | 6.13 | 0.225 | " | " | " | " | " | " | |
| Nickel | 4.61 | 0.449 | " | " | " | " | " | " | |
| Selenium | 0.632 | 0.292 | " | " | " | " | " | " | |
| Silver | 0.0273 | 0.0225 | " | " | " | " | " | " | |
| Zinc | 18.7 | 0.449 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/22 14:45**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFC0361 | 03/17/22 | 03/17/22 | EPA 7196A | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 14:45**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| % Solids | 89.0 | | % | 1 | BFC0287 | 03/15/22 | 03/15/22 | Calculation | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

BKG01@10'
2203177-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **03/10/22 14:55**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 2.71 | 0.225 | mg/kg dry | 1 | BFC0217 | 03/11/22 | 03/15/22 | EPA 6020B | |
| Barium | 186 | 0.450 | " | " | " | " | " | " | |
| Cadmium | ND | 0.225 | " | " | " | " | " | " | |
| Copper | 4.72 | 0.450 | " | " | " | " | " | " | |
| Lead | 6.69 | 0.225 | " | " | " | " | " | " | |
| Nickel | 5.04 | 0.450 | " | " | " | " | " | " | |
| Selenium | 0.644 | 0.292 | " | " | " | " | " | " | |
| Silver | 0.0284 | 0.0225 | " | " | " | " | " | " | |
| Zinc | 19.7 | 0.450 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/22 14:55**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BFC0361 | 03/17/22 | 03/17/22 | EPA 7196A | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 14:55**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| % Solids | 88.9 | | % | 1 | BFC0287 | 03/15/22 | 03/15/22 | Calculation | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS02@15'
2203177-11 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/22 09:30**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0208 | 03/10/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 09:30**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 100 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.6 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.6 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/22 09:30**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0209 | 03/10/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 09:30**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 122 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS02@15'
2203177-11 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/22 09:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Anthracene | ND | 0.00500 | mg/kg | 1 | BFC0507 | 03/23/22 | 03/26/22 | EPA 8270D SIM | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 09:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 76.5 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 78.2 % | 40-150 | | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/22 09:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 11.8 | 0.0656 | mg/L dry | 1 | BFC0522 | 03/23/22 | 03/24/22 | EPA 6020B | |
| Magnesium | 1.74 | 0.0656 | " | " | " | " | " | " | |
| Sodium | 9.50 | 0.0656 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/22 09:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.683 | 0.00100 | units | 1 | BFC0579 | 03/24/22 | 03/24/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 09:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS02@15'
2203177-11 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 76.3 | % | 1 | BFC0560 | 03/24/22 | 03/24/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/22 09:30**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 3.50 | 0.0100 | mmhos/cm | 1 | BFC0534 | 03/23/22 | 03/23/22 | EPA 120.1 | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS03@10'
2203177-12 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/22 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0208 | 03/10/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 98.3 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 109 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 114 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/22 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 1900 | 50 | mg/kg | 1 | BFC0209 | 03/10/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | 120 | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 143 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS03@10'
2203177-12 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/22 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------|---------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Anthracene | ND | 0.00500 | mg/kg | 1 | BFC0507 | 03/23/22 | 03/25/22 | EPA 8270D SIM | |
| Chrysene | 0.0431 | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 54.9 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 55.2 % | 40-150 | | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/22 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 10.8 | 0.0604 | mg/L dry | 1 | BFC0522 | 03/23/22 | 03/24/22 | EPA 6020B | |
| Magnesium | 1.85 | 0.0604 | " | " | " | " | " | " | |
| Sodium | 3.66 | 0.0604 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/22 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.271 | 0.00100 | units | 1 | BFC0579 | 03/24/22 | 03/24/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS03@10'
2203177-12 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 82.7 | % | 1 | BFC0560 | 03/24/22 | 03/24/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/22 12:10**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 1.34 | 0.0100 | mmhos/cm | 1 | BFC0534 | 03/23/22 | 03/23/22 | EPA 120.1 | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS04@5'
2203177-13 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/22 12:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0208 | 03/10/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 12:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 99.4 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 113 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/22 12:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0209 | 03/10/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 12:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 116 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS04@5'
2203177-13 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/22 12:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Anthracene | ND | 0.00500 | mg/kg | 1 | BFC0507 | 03/23/22 | 03/25/22 | EPA 8270D SIM | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 12:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 43.7 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 45.7 % | 40-150 | | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/22 12:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 56.4 | 0.0621 | mg/L dry | 1 | BFC0522 | 03/23/22 | 03/24/22 | EPA 6020B | |
| Magnesium | 4.11 | 0.0621 | " | " | " | " | " | " | |
| Sodium | 10.4 | 0.0621 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/22 12:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.360 | 0.00100 | units | 1 | BFC0579 | 03/24/22 | 03/24/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 12:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS04@5'
2203177-13 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 80.6 | % | 1 | BFC0560 | 03/24/22 | 03/24/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/22 12:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.962 | 0.0100 | mmhos/cm | 1 | BFC0534 | 03/23/22 | 03/23/22 | EPA 120.1 | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS05@2.5'
2203177-14 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/22 12:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BFC0507 | 03/23/22 | 03/25/22 | EPA 8270D SIM | |
| Anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 12:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 49.5 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 55.4 % | 40-150 | | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/22 12:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 74.0 | 0.0627 | mg/L dry | 1 | BFC0522 | 03/23/22 | 03/24/22 | EPA 6020B | |
| Magnesium | 4.75 | 0.0627 | " | " | " | " | " | " | |
| Sodium | 0.441 | 0.0627 | " | " | " | " | " | " | |

Calculated Analysis

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS05@2.5'
2203177-14 (Soil)

Summit Scientific

Calculated Analysis

Date Sampled: **03/10/22 12:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|--------------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0134 | 0.00100 | units | 1 | BFC0579 | 03/24/22 | 03/24/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 12:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 79.8 | | % | 1 | BFC0560 | 03/24/22 | 03/24/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/22 12:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.465 | 0.0100 | mmhos/cm | 1 | BFC0534 | 03/23/22 | 03/23/22 | EPA 120.1 | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS06@10'
2203177-15 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/22 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0208 | 03/10/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 81.0 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 81.4 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.4 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/22 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0209 | 03/10/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 129 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS06@10'
2203177-15 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/22 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Anthracene | ND | 0.00500 | mg/kg | 1 | BFC0507 | 03/23/22 | 03/25/22 | EPA 8270D SIM | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 41.6 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 43.7 % | 40-150 | | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/22 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 20.2 | 0.0637 | mg/L dry | 1 | BFC0522 | 03/23/22 | 03/24/22 | EPA 6020B | |
| Magnesium | 2.04 | 0.0637 | " | " | " | " | " | " | |
| Sodium | 5.04 | 0.0637 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/22 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.286 | 0.00100 | units | 1 | BFC0579 | 03/24/22 | 03/24/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS06@10'
2203177-15 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 78.5 | % | 1 | BFC0560 | 03/24/22 | 03/24/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/22 13:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.828 | 0.0100 | mmhos/cm | 1 | BFC0534 | 03/23/22 | 03/23/22 | EPA 120.1 | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS07@5'
2203177-16 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/22 13:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0208 | 03/10/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 13:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 90.7 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.2 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.7 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/22 13:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0209 | 03/10/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 13:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 125 % | 30-150 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS09@10'
2203177-18 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/22 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0208 | 03/10/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 99.4 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.4 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 89.8 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/22 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0209 | 03/10/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 121 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS09@10'
2203177-18 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/22 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Anthracene | ND | 0.00500 | mg/kg | 1 | BFC0507 | 03/23/22 | 03/25/22 | EPA 8270D SIM | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 40.9 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 45.2 % | 40-150 | | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/22 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 32.5 | 0.0609 | mg/L dry | 1 | BFC0522 | 03/23/22 | 03/24/22 | EPA 6020B | |
| Magnesium | 3.93 | 0.0609 | " | " | " | " | " | " | |
| Sodium | 3.66 | 0.0609 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/22 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.161 | 0.00100 | units | 1 | BFC0579 | 03/24/22 | 03/24/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS09@10'
2203177-18 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 82.0 | % | 1 | BFC0560 | 03/24/22 | 03/24/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/22 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.465 | 0.0100 | mmhos/cm | 1 | BFC0534 | 03/23/22 | 03/23/22 | EPA 120.1 | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS10@5'
2203177-19 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/22 14:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0208 | 03/10/22 | 03/10/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 14:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 113 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 93.5 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.0 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/22 14:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0209 | 03/10/22 | 03/10/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 14:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 123 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS10@5'
2203177-19 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/22 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Anthracene | ND | 0.00500 | mg/kg | 1 | BFC0507 | 03/23/22 | 03/25/22 | EPA 8270D SIM | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/10/22 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 50.6 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 54.5 % | 40-150 | | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/22 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 8.04 | 0.0562 | mg/L dry | 1 | BFC0522 | 03/23/22 | 03/24/22 | EPA 6020B | |
| Magnesium | 2.87 | 0.0562 | " | " | " | " | " | " | |
| Sodium | 0.308 | 0.0562 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/22 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|---------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0237 | 0.00100 | units | 1 | BFC0579 | 03/24/22 | 03/24/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS10@5'
2203177-19 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 89.0 | % | 1 | BFC0560 | 03/24/22 | 03/24/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/22 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.197 | 0.0100 | mmhos/cm | 1 | BFC0534 | 03/23/22 | 03/23/22 | EPA 120.1 | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS11@2.5'
2203177-20 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/10/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.163 | 0.0100 | mg/L | 1 | BFC0211 | 03/11/22 | 03/13/22 | EPA 6020B | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 20.3 | 0.0585 | mg/L dry | 1 | BFC0226 | 03/11/22 | 03/15/22 | EPA 6020B | |
| Magnesium | 6.08 | 0.0585 | " | " | " | " | " | " | |
| Sodium | 24.5 | 0.0585 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.23 | 0.00100 | units | 1 | BFC0330 | 03/16/22 | 03/16/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 85.5 | | % | 1 | BFC0287 | 03/15/22 | 03/15/22 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/22 14:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.308 | 0.0100 | mmhos/cm | 1 | BFC0250 | 03/14/22 | 03/14/22 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

SS11@2.5'
2203177-20 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/10/22 14:05**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| pH | 7.91 | | | pH Units | 1 | BFC0249 | 03/14/22 | 03/14/22 | EPA 9045D | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0208 - EPA 5030 Soil MS

Blank (BFC0208-BLK1)

Prepared & Analyzed: 03/10/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| Naphthalene | ND | 0.0038 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0398 | | " | 0.0400 | | 99.4 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0412 | | " | 0.0400 | | 103 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0393 | | " | 0.0400 | | 98.2 | 50-150 | | | |

LCS (BFC0208-BS1)

Prepared & Analyzed: 03/10/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0626 | 0.0020 | mg/kg | 0.0750 | | 83.4 | 70-130 | | | |
| Toluene | 0.0664 | 0.0050 | " | 0.0750 | | 88.5 | 70-130 | | | |
| Ethylbenzene | 0.0680 | 0.0050 | " | 0.0750 | | 90.6 | 70-130 | | | |
| m,p-Xylene | 0.145 | 0.010 | " | 0.150 | | 96.6 | 70-130 | | | |
| o-Xylene | 0.0680 | 0.0050 | " | 0.0750 | | 90.6 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0731 | 0.0050 | " | 0.0750 | | 97.4 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0727 | 0.0050 | " | 0.0750 | | 97.0 | 70-130 | | | |
| Naphthalene | 0.0559 | 0.0038 | " | 0.0750 | | 74.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0335 | | " | 0.0400 | | 83.8 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0414 | | " | 0.0400 | | 104 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0377 | | " | 0.0400 | | 94.2 | 50-150 | | | |

Matrix Spike (BFC0208-MS1)

Source: 2203177-01

Prepared & Analyzed: 03/10/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0625 | 0.0020 | mg/kg | 0.0750 | ND | 83.3 | 70-130 | | | |
| Toluene | 0.0647 | 0.0050 | " | 0.0750 | ND | 86.3 | 70-130 | | | |
| Ethylbenzene | 0.0655 | 0.0050 | " | 0.0750 | ND | 87.3 | 70-130 | | | |
| m,p-Xylene | 0.137 | 0.010 | " | 0.150 | ND | 91.6 | 70-130 | | | |
| o-Xylene | 0.0664 | 0.0050 | " | 0.0750 | ND | 88.5 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0721 | 0.0050 | " | 0.0750 | ND | 96.1 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0706 | 0.0050 | " | 0.0750 | ND | 94.1 | 70-130 | | | |
| Naphthalene | 0.0702 | 0.0038 | " | 0.0750 | ND | 93.6 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0384 | | " | 0.0400 | | 95.9 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0412 | | " | 0.0400 | | 103 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0398 | | " | 0.0400 | | 99.5 | 50-150 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0208 - EPA 5030 Soil MS

| Matrix Spike Dup (BFC0208-MSD1) | | Source: 2203177-01 | | | Prepared & Analyzed: 03/10/22 | | | | | |
|----------------------------------|--------|--------------------|-------|--------|-------------------------------|------|--------|-------|----|--|
| Benzene | 0.0597 | 0.0020 | mg/kg | 0.0750 | ND | 79.6 | 70-130 | 4.47 | 30 | |
| Toluene | 0.0646 | 0.0050 | " | 0.0750 | ND | 86.2 | 70-130 | 0.139 | 30 | |
| Ethylbenzene | 0.0676 | 0.0050 | " | 0.0750 | ND | 90.1 | 70-130 | 3.20 | 30 | |
| m,p-Xylene | 0.144 | 0.010 | " | 0.150 | ND | 95.8 | 70-130 | 4.48 | 30 | |
| o-Xylene | 0.0693 | 0.0050 | " | 0.0750 | ND | 92.4 | 70-130 | 4.29 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0751 | 0.0050 | " | 0.0750 | ND | 100 | 70-130 | 4.08 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0740 | 0.0050 | " | 0.0750 | ND | 98.6 | 70-130 | 4.65 | 30 | |
| Naphthalene | 0.0728 | 0.0038 | " | 0.0750 | ND | 97.1 | 70-130 | 3.61 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 0.0369 | " | 0.0400 | | 92.2 | 50-150 | | | |
| Surrogate: Toluene-d8 | | 0.0406 | " | 0.0400 | | 102 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | | 0.0405 | " | 0.0400 | | 101 | 50-150 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | | Spike | Source | %REC | | RPD | | |
|---------|--------|-----------|-------|-------|--------|--------|--------|-----|-------|-------|--|
| | | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | |

Batch BFC0209 - EPA 3550A

Blank (BFC0209-BLK1)

Prepared & Analyzed: 03/10/22

| | | | | | | | | | | | |
|---------------|----|----|-------|--|--|--|--|--|--|--|--|
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | | |
| C28-C36 (ORO) | ND | 50 | " | | | | | | | | |

LCS (BFC0209-BS1)

Prepared & Analyzed: 03/10/22

| | | | | | | | | | | | |
|---------------|-----|----|-------|-----|-----|--------|--|--|--|--|--|
| C10-C28 (DRO) | 552 | 50 | mg/kg | 500 | 110 | 70-130 | | | | | |
|---------------|-----|----|-------|-----|-----|--------|--|--|--|--|--|

Matrix Spike (BFC0209-MS1)

Source: 2203177-01

Prepared & Analyzed: 03/10/22

| | | | | | | | | | | | |
|---------------|-----|----|-------|-----|------|-----|--------|--|--|--|--|
| C10-C28 (DRO) | 594 | 50 | mg/kg | 500 | 67.6 | 105 | 70-130 | | | | |
|---------------|-----|----|-------|-----|------|-----|--------|--|--|--|--|

Matrix Spike Dup (BFC0209-MSD1)

Source: 2203177-01

Prepared & Analyzed: 03/10/22

| | | | | | | | | | | | |
|---------------|-----|----|-------|-----|------|-----|--------|------|----|--|--|
| C10-C28 (DRO) | 580 | 50 | mg/kg | 500 | 67.6 | 102 | 70-130 | 2.40 | 20 | | |
|---------------|-----|----|-------|-----|------|-----|--------|------|----|--|--|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--|--------|--|------|--------|-----|-------|
| | Result | Limit | Units | Level | | Result | | %REC | Limits | RPD | Limit |
| | | | | | | | | | | | Notes |

Batch BFC0210 - EPA 5030 Soil MS

Blank (BFC0210-BLK1)

Prepared: 03/11/22 Analyzed: 03/12/22

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--|--------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0298 | | " | 0.0333 | | 89.4 | | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0274 | | " | 0.0333 | | 82.2 | | 40-150 | | | |

LCS (BFC0210-BS1)

Prepared: 03/11/22 Analyzed: 03/12/22

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--|--------|--|--|--|
| Acenaphthene | 0.0297 | 0.00500 | mg/kg | 0.0333 | | 89.1 | | 31-137 | | | |
| Anthracene | 0.0297 | 0.00500 | " | 0.0333 | | 89.2 | | 30-120 | | | |
| Benzo (a) anthracene | 0.0254 | 0.00500 | " | 0.0333 | | 76.3 | | 30-120 | | | |
| Benzo (a) pyrene | 0.0250 | 0.00500 | " | 0.0333 | | 75.0 | | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0247 | 0.00500 | " | 0.0333 | | 74.2 | | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0316 | 0.00500 | " | 0.0333 | | 94.7 | | 30-120 | | | |
| Chrysene | 0.0309 | 0.00500 | " | 0.0333 | | 92.6 | | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0254 | 0.00500 | " | 0.0333 | | 76.3 | | 30-120 | | | |
| Fluoranthene | 0.0304 | 0.00500 | " | 0.0333 | | 91.2 | | 30-120 | | | |
| Fluorene | 0.0314 | 0.00500 | " | 0.0333 | | 94.2 | | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0302 | 0.00500 | " | 0.0333 | | 90.7 | | 30-120 | | | |
| Pyrene | 0.0310 | 0.00500 | " | 0.0333 | | 93.0 | | 35-142 | | | |
| 1-Methylnaphthalene | 0.0283 | 0.00500 | " | 0.0333 | | 84.9 | | 35-142 | | | |
| 2-Methylnaphthalene | 0.0260 | 0.00500 | " | 0.0333 | | 77.9 | | 35-142 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0275 | | " | 0.0333 | | 82.5 | | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0317 | | " | 0.0333 | | 95.0 | | 40-150 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0210 - EPA 5030 Soil MS

Matrix Spike (BFC0210-MS1)

Source: 2203179-05

Prepared: 03/11/22 Analyzed: 03/16/22

| | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|
| Acenaphthene | 0.0156 | 0.00500 | mg/kg | 0.0333 | ND | 46.8 | 31-137 | | |
| Anthracene | 0.0167 | 0.00500 | " | 0.0333 | ND | 50.0 | 30-120 | | |
| Benzo (a) anthracene | 0.0177 | 0.00500 | " | 0.0333 | ND | 53.2 | 30-120 | | |
| Benzo (a) pyrene | 0.0142 | 0.00500 | " | 0.0333 | ND | 42.5 | 30-120 | | |
| Benzo (b) fluoranthene | 0.0154 | 0.00500 | " | 0.0333 | ND | 46.2 | 30-120 | | |
| Benzo (k) fluoranthene | 0.0147 | 0.00500 | " | 0.0333 | ND | 44.0 | 30-120 | | |
| Chrysene | 0.0171 | 0.00500 | " | 0.0333 | ND | 51.2 | 30-120 | | |
| Dibenz (a,h) anthracene | 0.0160 | 0.00500 | " | 0.0333 | ND | 48.1 | 30-120 | | |
| Fluoranthene | 0.0181 | 0.00500 | " | 0.0333 | ND | 54.2 | 30-120 | | |
| Fluorene | 0.0165 | 0.00500 | " | 0.0333 | ND | 49.4 | 30-120 | | |
| Indeno (1,2,3-cd) pyrene | 0.0142 | 0.00500 | " | 0.0333 | ND | 42.5 | 30-120 | | |
| Pyrene | 0.0183 | 0.00500 | " | 0.0333 | ND | 54.9 | 35-142 | | |
| 1-Methylnaphthalene | 0.0206 | 0.00500 | " | 0.0333 | ND | 61.7 | 15-130 | | |
| 2-Methylnaphthalene | 0.0215 | 0.00500 | " | 0.0333 | ND | 64.5 | 15-130 | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0237 | | " | 0.0333 | | 71.2 | 40-150 | | |
| Surrogate: Fluoranthene-d10 | 0.0214 | | " | 0.0333 | | 64.3 | 40-150 | | |

Matrix Spike Dup (BFC0210-MSD1)

Source: 2203179-05

Prepared: 03/11/22 Analyzed: 03/16/22

| | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|------|----|
| Acenaphthene | 0.0136 | 0.00500 | mg/kg | 0.0333 | ND | 40.8 | 31-137 | 13.7 | 30 |
| Anthracene | 0.0207 | 0.00500 | " | 0.0333 | ND | 62.2 | 30-120 | 21.7 | 30 |
| Benzo (a) anthracene | 0.0156 | 0.00500 | " | 0.0333 | ND | 46.9 | 30-120 | 12.5 | 30 |
| Benzo (a) pyrene | 0.0165 | 0.00500 | " | 0.0333 | ND | 49.4 | 30-120 | 15.0 | 30 |
| Benzo (b) fluoranthene | 0.0200 | 0.00500 | " | 0.0333 | ND | 60.0 | 30-120 | 25.9 | 30 |
| Benzo (k) fluoranthene | 0.0163 | 0.00500 | " | 0.0333 | ND | 49.0 | 30-120 | 10.8 | 30 |
| Chrysene | 0.0219 | 0.00500 | " | 0.0333 | ND | 65.7 | 30-120 | 24.7 | 30 |
| Dibenz (a,h) anthracene | 0.0144 | 0.00500 | " | 0.0333 | ND | 43.2 | 30-120 | 10.7 | 30 |
| Fluoranthene | 0.0152 | 0.00500 | " | 0.0333 | ND | 45.7 | 30-120 | 17.0 | 30 |
| Fluorene | 0.0174 | 0.00500 | " | 0.0333 | ND | 52.2 | 30-120 | 5.58 | 30 |
| Indeno (1,2,3-cd) pyrene | 0.0158 | 0.00500 | " | 0.0333 | ND | 47.5 | 30-120 | 11.2 | 30 |
| Pyrene | 0.0163 | 0.00500 | " | 0.0333 | ND | 48.8 | 35-142 | 11.9 | 30 |
| 1-Methylnaphthalene | 0.0217 | 0.00500 | " | 0.0333 | ND | 65.0 | 15-130 | 5.25 | 50 |
| 2-Methylnaphthalene | 0.0259 | 0.00500 | " | 0.0333 | ND | 77.7 | 15-130 | 18.5 | 50 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0160 | | " | 0.0333 | | 47.9 | 40-150 | | |
| Surrogate: Fluoranthene-d10 | 0.0143 | | " | 0.0333 | | 42.8 | 40-150 | | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0507 - EPA 5030 Soil MS

Blank (BFC0507-BLK1)

Prepared: 03/23/22 Analyzed: 03/25/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Acenaphthene | ND | 0.00500 | " | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0216 | | " | 0.0333 | | 64.8 | 40-150 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0216 | | " | 0.0333 | | 64.8 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0242 | | " | 0.0333 | | 72.7 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0242 | | " | 0.0333 | | 72.7 | 40-150 | | | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0507 - EPA 5030 Soil MS

LCS (BFC0507-BS1)

Prepared: 03/23/22 Analyzed: 03/25/22

| | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|
| Acenaphthene | 0.0190 | 0.00500 | mg/kg | 0.0333 | | 57.1 | 31-137 |
| Acenaphthene | 0.0190 | 0.00500 | " | 0.0333 | | 57.1 | 31-137 |
| Anthracene | 0.0203 | 0.00500 | " | 0.0333 | | 61.0 | 30-120 |
| Anthracene | 0.0203 | 0.00500 | " | 0.0333 | | 61.0 | 30-120 |
| Benzo (a) anthracene | 0.0201 | 0.00500 | " | 0.0333 | | 60.3 | 30-120 |
| Benzo (a) anthracene | 0.0201 | 0.00500 | " | 0.0333 | | 60.3 | 30-120 |
| Benzo (a) pyrene | 0.0246 | 0.00500 | " | 0.0333 | | 73.9 | 30-120 |
| Benzo (a) pyrene | 0.0246 | 0.00500 | " | 0.0333 | | 73.9 | 30-120 |
| Benzo (b) fluoranthene | 0.0214 | 0.00500 | " | 0.0333 | | 64.3 | 30-120 |
| Benzo (b) fluoranthene | 0.0214 | 0.00500 | " | 0.0333 | | 64.3 | 30-120 |
| Benzo (k) fluoranthene | 0.0260 | 0.00500 | " | 0.0333 | | 78.0 | 30-120 |
| Benzo (k) fluoranthene | 0.0260 | 0.00500 | " | 0.0333 | | 78.0 | 30-120 |
| Chrysene | 0.0239 | 0.00500 | " | 0.0333 | | 71.6 | 30-120 |
| Chrysene | 0.0239 | 0.00500 | " | 0.0333 | | 71.6 | 30-120 |
| Dibenz (a,h) anthracene | 0.0263 | 0.00500 | " | 0.0333 | | 79.0 | 30-120 |
| Dibenz (a,h) anthracene | 0.0263 | 0.00500 | " | 0.0333 | | 79.0 | 30-120 |
| Fluoranthene | 0.0223 | 0.00500 | " | 0.0333 | | 66.9 | 30-120 |
| Fluoranthene | 0.0223 | 0.00500 | " | 0.0333 | | 66.9 | 30-120 |
| Fluorene | 0.0214 | 0.00500 | " | 0.0333 | | 64.1 | 30-120 |
| Fluorene | 0.0214 | 0.00500 | " | 0.0333 | | 64.1 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0391 | 0.00500 | " | 0.0333 | | 117 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0391 | 0.00500 | " | 0.0333 | | 117 | 30-120 |
| Pyrene | 0.0250 | 0.00500 | " | 0.0333 | | 74.9 | 35-142 |
| Pyrene | 0.0250 | 0.00500 | " | 0.0333 | | 74.9 | 35-142 |
| 1-Methylnaphthalene | 0.0185 | 0.00500 | " | 0.0333 | | 55.5 | 35-142 |
| 1-Methylnaphthalene | 0.0185 | 0.00500 | " | 0.0333 | | 55.5 | 35-142 |
| 2-Methylnaphthalene | 0.0160 | 0.00500 | " | 0.0333 | | 48.0 | 35-142 |
| 2-Methylnaphthalene | 0.0160 | 0.00500 | " | 0.0333 | | 48.0 | 35-142 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0174 | | " | 0.0333 | | 52.3 | 40-150 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0174 | | " | 0.0333 | | 52.3 | 40-150 |
| Surrogate: Fluoranthene-d10 | 0.0213 | | " | 0.0333 | | 63.8 | 40-150 |
| Surrogate: Fluoranthene-d10 | 0.0213 | | " | 0.0333 | | 63.8 | 40-150 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0507 - EPA 5030 Soil MS

Matrix Spike (BFC0507-MS1)

Source: 2203177-11

Prepared: 03/23/22 Analyzed: 03/26/22

| | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|
| Acenaphthene | 0.0296 | 0.00500 | mg/kg | 0.0333 | ND | 88.9 | 31-137 |
| Acenaphthene | 0.0296 | 0.00500 | " | 0.0333 | ND | 88.9 | 31-137 |
| Anthracene | 0.0294 | 0.00500 | " | 0.0333 | ND | 88.1 | 30-120 |
| Anthracene | 0.0294 | 0.00500 | " | 0.0333 | ND | 88.1 | 30-120 |
| Benzo (a) anthracene | 0.0316 | 0.00500 | " | 0.0333 | ND | 94.8 | 30-120 |
| Benzo (a) anthracene | 0.0316 | 0.00500 | " | 0.0333 | ND | 94.8 | 30-120 |
| Benzo (a) pyrene | 0.0296 | 0.00500 | " | 0.0333 | ND | 88.7 | 30-120 |
| Benzo (a) pyrene | 0.0296 | 0.00500 | " | 0.0333 | ND | 88.7 | 30-120 |
| Benzo (b) fluoranthene | 0.0315 | 0.00500 | " | 0.0333 | ND | 94.5 | 30-120 |
| Benzo (b) fluoranthene | 0.0315 | 0.00500 | " | 0.0333 | ND | 94.5 | 30-120 |
| Benzo (k) fluoranthene | 0.0288 | 0.00500 | " | 0.0333 | ND | 86.4 | 30-120 |
| Benzo (k) fluoranthene | 0.0288 | 0.00500 | " | 0.0333 | ND | 86.4 | 30-120 |
| Chrysene | 0.0310 | 0.00500 | " | 0.0333 | ND | 93.0 | 30-120 |
| Chrysene | 0.0310 | 0.00500 | " | 0.0333 | ND | 93.0 | 30-120 |
| Dibenz (a,h) anthracene | 0.0210 | 0.00500 | " | 0.0333 | ND | 63.1 | 30-120 |
| Dibenz (a,h) anthracene | 0.0210 | 0.00500 | " | 0.0333 | ND | 63.1 | 30-120 |
| Fluoranthene | 0.0289 | 0.00500 | " | 0.0333 | ND | 86.7 | 30-120 |
| Fluoranthene | 0.0289 | 0.00500 | " | 0.0333 | ND | 86.7 | 30-120 |
| Fluorene | 0.0290 | 0.00500 | " | 0.0333 | ND | 87.1 | 30-120 |
| Fluorene | 0.0290 | 0.00500 | " | 0.0333 | ND | 87.1 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0218 | 0.00500 | " | 0.0333 | ND | 65.4 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0218 | 0.00500 | " | 0.0333 | ND | 65.4 | 30-120 |
| Pyrene | 0.0314 | 0.00500 | " | 0.0333 | ND | 94.1 | 35-142 |
| Pyrene | 0.0314 | 0.00500 | " | 0.0333 | ND | 94.1 | 35-142 |
| 1-Methylnaphthalene | 0.0268 | 0.00500 | " | 0.0333 | ND | 80.4 | 15-130 |
| 1-Methylnaphthalene | 0.0268 | 0.00500 | " | 0.0333 | ND | 80.4 | 15-130 |
| 2-Methylnaphthalene | 0.0265 | 0.00500 | " | 0.0333 | ND | 79.4 | 15-130 |
| 2-Methylnaphthalene | 0.0265 | 0.00500 | " | 0.0333 | ND | 79.4 | 15-130 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0238 | | " | 0.0333 | | 71.5 | 40-150 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0238 | | " | 0.0333 | | 71.5 | 40-150 |
| Surrogate: Fluoranthene-d10 | 0.0285 | | " | 0.0333 | | 85.6 | 40-150 |
| Surrogate: Fluoranthene-d10 | 0.0285 | | " | 0.0333 | | 85.6 | 40-150 |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0507 - EPA 5030 Soil MS

| Matrix Spike Dup (BFC0507-MSD1) | | Source: 2203177-11 | | | Prepared: 03/23/22 Analyzed: 03/26/22 | | | | | | |
|------------------------------------|--------|--------------------|-------|--------|---------------------------------------|------|--------|-------|----|--|--|
| Acenaphthene | 0.0259 | 0.00500 | mg/kg | 0.0333 | ND | 77.8 | 31-137 | 13.3 | 30 | | |
| Acenaphthene | 0.0259 | 0.00500 | " | 0.0333 | ND | 77.8 | 31-137 | 13.3 | 30 | | |
| Anthracene | 0.0293 | 0.00500 | " | 0.0333 | ND | 87.8 | 30-120 | 0.297 | 30 | | |
| Anthracene | 0.0293 | 0.00500 | " | 0.0333 | ND | 87.8 | 30-120 | 0.297 | 30 | | |
| Benzo (a) anthracene | 0.0290 | 0.00500 | " | 0.0333 | ND | 86.9 | 30-120 | 8.79 | 30 | | |
| Benzo (a) anthracene | 0.0290 | 0.00500 | " | 0.0333 | ND | 86.9 | 30-120 | 8.79 | 30 | | |
| Benzo (a) pyrene | 0.0276 | 0.00500 | " | 0.0333 | ND | 82.8 | 30-120 | 6.87 | 30 | | |
| Benzo (a) pyrene | 0.0276 | 0.00500 | " | 0.0333 | ND | 82.8 | 30-120 | 6.87 | 30 | | |
| Benzo (b) fluoranthene | 0.0295 | 0.00500 | " | 0.0333 | ND | 88.4 | 30-120 | 6.70 | 30 | | |
| Benzo (b) fluoranthene | 0.0295 | 0.00500 | " | 0.0333 | ND | 88.4 | 30-120 | 6.70 | 30 | | |
| Benzo (k) fluoranthene | 0.0276 | 0.00500 | " | 0.0333 | ND | 82.9 | 30-120 | 4.19 | 30 | | |
| Benzo (k) fluoranthene | 0.0276 | 0.00500 | " | 0.0333 | ND | 82.9 | 30-120 | 4.19 | 30 | | |
| Chrysene | 0.0292 | 0.00500 | " | 0.0333 | ND | 87.7 | 30-120 | 5.81 | 30 | | |
| Chrysene | 0.0292 | 0.00500 | " | 0.0333 | ND | 87.7 | 30-120 | 5.81 | 30 | | |
| Dibenz (a,h) anthracene | 0.0200 | 0.00500 | " | 0.0333 | ND | 60.1 | 30-120 | 4.85 | 30 | | |
| Dibenz (a,h) anthracene | 0.0200 | 0.00500 | " | 0.0333 | ND | 60.1 | 30-120 | 4.85 | 30 | | |
| Fluoranthene | 0.0286 | 0.00500 | " | 0.0333 | ND | 85.7 | 30-120 | 1.21 | 30 | | |
| Fluoranthene | 0.0286 | 0.00500 | " | 0.0333 | ND | 85.7 | 30-120 | 1.21 | 30 | | |
| Fluorene | 0.0253 | 0.00500 | " | 0.0333 | ND | 75.8 | 30-120 | 13.9 | 30 | | |
| Fluorene | 0.0253 | 0.00500 | " | 0.0333 | ND | 75.8 | 30-120 | 13.9 | 30 | | |
| Indeno (1,2,3-cd) pyrene | 0.0207 | 0.00500 | " | 0.0333 | ND | 62.1 | 30-120 | 5.19 | 30 | | |
| Indeno (1,2,3-cd) pyrene | 0.0207 | 0.00500 | " | 0.0333 | ND | 62.1 | 30-120 | 5.19 | 30 | | |
| Pyrene | 0.0287 | 0.00500 | " | 0.0333 | ND | 86.1 | 35-142 | 8.84 | 30 | | |
| Pyrene | 0.0287 | 0.00500 | " | 0.0333 | ND | 86.1 | 35-142 | 8.84 | 30 | | |
| 1-Methylnaphthalene | 0.0233 | 0.00500 | " | 0.0333 | ND | 69.9 | 15-130 | 14.0 | 50 | | |
| 1-Methylnaphthalene | 0.0233 | 0.00500 | " | 0.0333 | ND | 69.9 | 15-130 | 14.0 | 50 | | |
| 2-Methylnaphthalene | 0.0219 | 0.00500 | " | 0.0333 | ND | 65.8 | 15-130 | 18.7 | 50 | | |
| 2-Methylnaphthalene | 0.0219 | 0.00500 | " | 0.0333 | ND | 65.8 | 15-130 | 18.7 | 50 | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0239 | | " | 0.0333 | | 71.8 | 40-150 | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0239 | | " | 0.0333 | | 71.8 | 40-150 | | | | |
| Surrogate: Fluoranthene-d10 | 0.0281 | | " | 0.0333 | | 84.2 | 40-150 | | | | |
| Surrogate: Fluoranthene-d10 | 0.0281 | | " | 0.0333 | | 84.2 | 40-150 | | | | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0211 - EPA 3050B

Blank (BFC0211-BLK1)

Prepared: 03/11/22 Analyzed: 03/13/22

Boron ND 0.0100 mg/L

LCS (BFC0211-BS1)

Prepared: 03/11/22 Analyzed: 03/13/22

Boron 4.74 0.0100 mg/L 5.00 94.7 80-120

Duplicate (BFC0211-DUP1)

Source: 2203066-01

Prepared: 03/11/22 Analyzed: 03/13/22

Boron 0.424 0.0100 mg/L 0.436 2.69 20

Matrix Spike (BFC0211-MS1)

Source: 2203066-01

Prepared: 03/11/22 Analyzed: 03/13/22

Boron 4.99 0.0100 mg/L 5.00 0.436 91.1 75-125

Matrix Spike Dup (BFC0211-MSD1)

Source: 2203066-01

Prepared: 03/11/22 Analyzed: 03/13/22

Boron 5.36 0.0100 mg/L 5.00 0.436 98.4 75-125 7.06 25

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Total Metals by EPA 6020B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0217 - EPA 3050B

Blank (BFC0217-BLK1)

Prepared: 03/11/22 Analyzed: 03/15/22

| | | | |
|----------|----|--------|-----------|
| Arsenic | ND | 0.200 | mg/kg wet |
| Barium | ND | 0.400 | " |
| Cadmium | ND | 0.200 | " |
| Copper | ND | 0.400 | " |
| Lead | ND | 0.200 | " |
| Nickel | ND | 0.400 | " |
| Selenium | ND | 0.260 | " |
| Silver | ND | 0.0200 | " |
| Zinc | ND | 0.400 | " |

LCS (BFC0217-BS1)

Prepared: 03/11/22 Analyzed: 03/15/22

| | | | | | | |
|----------|------|--------|-----------|------|------|--------|
| Arsenic | 38.2 | 0.200 | mg/kg wet | 40.0 | 95.4 | 80-120 |
| Barium | 36.4 | 0.400 | " | 40.0 | 91.0 | 80-120 |
| Cadmium | 2.06 | 0.200 | " | 2.00 | 103 | 80-120 |
| Copper | 37.5 | 0.400 | " | 40.0 | 93.6 | 80-120 |
| Lead | 20.0 | 0.200 | " | 20.0 | 99.9 | 80-120 |
| Nickel | 36.5 | 0.400 | " | 40.0 | 91.3 | 80-120 |
| Selenium | 3.55 | 0.260 | " | 4.00 | 88.7 | 80-120 |
| Silver | 2.00 | 0.0200 | " | 2.00 | 100 | 80-120 |
| Zinc | 42.2 | 0.400 | " | 40.0 | 106 | 80-120 |

Duplicate (BFC0217-DUP1)

Source: 2203174-01

Prepared: 03/11/22 Analyzed: 03/15/22

| | | | | | | | |
|----------|--------|--------|-----------|--------|------|----|-------|
| Arsenic | 0.819 | 0.208 | mg/kg dry | 1.03 | 23.2 | 20 | QR-03 |
| Barium | 58.4 | 0.417 | " | 68.7 | 16.3 | 20 | |
| Cadmium | 0.0858 | 0.208 | " | 0.104 | 19.5 | 20 | |
| Copper | 2.46 | 0.417 | " | 2.67 | 8.37 | 20 | |
| Lead | 3.14 | 0.208 | " | 3.69 | 16.1 | 20 | |
| Nickel | 2.39 | 0.417 | " | 2.74 | 13.4 | 20 | |
| Selenium | 0.225 | 0.271 | " | 0.256 | 12.7 | 20 | |
| Silver | 0.0131 | 0.0208 | " | 0.0150 | 13.6 | 20 | |
| Zinc | 11.3 | 0.417 | " | 11.9 | 4.96 | 20 | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Total Metals by EPA 6020B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0217 - EPA 3050B

| Matrix Spike (BFC0217-MS1) | | Source: 2203174-01 | | | Prepared: 03/11/22 Analyzed: 03/15/22 | | | | | |
|----------------------------|------|--------------------|-----------|------|---------------------------------------|------|--------|--|--|-------|
| Arsenic | 39.4 | 0.208 | mg/kg dry | 41.7 | 1.03 | 92.0 | 75-125 | | | |
| Barium | 97.5 | 0.417 | " | 41.7 | 68.7 | 69.0 | 75-125 | | | QR-03 |
| Cadmium | 2.11 | 0.208 | " | 2.08 | 0.104 | 96.1 | 75-125 | | | |
| Copper | 40.7 | 0.417 | " | 41.7 | 2.67 | 91.3 | 75-125 | | | |
| Lead | 22.4 | 0.208 | " | 20.8 | 3.69 | 89.6 | 75-125 | | | |
| Nickel | 39.4 | 0.417 | " | 41.7 | 2.74 | 88.1 | 75-125 | | | |
| Selenium | 3.67 | 0.271 | " | 4.17 | 0.256 | 81.9 | 75-125 | | | |
| Silver | 1.91 | 0.0208 | " | 2.08 | 0.0150 | 90.7 | 75-125 | | | |
| Zinc | 55.3 | 0.417 | " | 41.7 | 11.9 | 104 | 75-125 | | | |

| Matrix Spike Dup (BFC0217-MSD1) | | Source: 2203174-01 | | | Prepared: 03/11/22 Analyzed: 03/15/22 | | | | | |
|---------------------------------|------|--------------------|-----------|------|---------------------------------------|------|--------|-------|----|-------|
| Arsenic | 39.6 | 0.208 | mg/kg dry | 41.7 | 1.03 | 92.6 | 75-125 | 0.638 | 25 | |
| Barium | 91.0 | 0.417 | " | 41.7 | 68.7 | 53.5 | 75-125 | 6.83 | 25 | QR-03 |
| Cadmium | 2.05 | 0.208 | " | 2.08 | 0.104 | 93.2 | 75-125 | 2.88 | 25 | |
| Copper | 40.5 | 0.417 | " | 41.7 | 2.67 | 90.8 | 75-125 | 0.505 | 25 | |
| Lead | 21.7 | 0.208 | " | 20.8 | 3.69 | 86.4 | 75-125 | 3.00 | 25 | |
| Nickel | 39.5 | 0.417 | " | 41.7 | 2.74 | 88.3 | 75-125 | 0.190 | 25 | |
| Selenium | 3.50 | 0.271 | " | 4.17 | 0.256 | 78.0 | 75-125 | 4.56 | 25 | |
| Silver | 1.85 | 0.0208 | " | 2.08 | 0.0150 | 88.1 | 75-125 | 2.95 | 25 | |
| Zinc | 54.3 | 0.417 | " | 41.7 | 11.9 | 102 | 75-125 | 1.92 | 25 | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0361 - 3060A Mod

Blank (BFC0361-BLK1)

Prepared & Analyzed: 03/17/22

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BFC0361-BS1)

Prepared & Analyzed: 03/17/22

Chromium, Hexavalent 23.8 0.30 mg/kg wet 25.0 95.4 80-120

Duplicate (BFC0361-DUP1)

Source: 2203157-13

Prepared & Analyzed: 03/17/22

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BFC0361-MS1)

Source: 2203157-13

Prepared & Analyzed: 03/17/22

Chromium, Hexavalent 30.9 0.30 mg/kg dry 27.4 ND 113 75-125

Matrix Spike Dup (BFC0361-MSD1)

Source: 2203157-13

Prepared & Analyzed: 03/17/22

Chromium, Hexavalent 27.5 0.30 mg/kg dry 27.4 ND 100 75-125 11.6 20

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0226 - General Preparation

Blank (BFC0226-BLK1)

Prepared: 03/11/22 Analyzed: 03/15/22

| | | | |
|-----------|----|--------|----------|
| Calcium | ND | 0.0500 | mg/L wet |
| Magnesium | ND | 0.0500 | " |
| Sodium | ND | 0.0500 | " |

LCS (BFC0226-BS1)

Prepared: 03/11/22 Analyzed: 03/15/22

| | | | | | | |
|-----------|------|--------|----------|------|-----|--------|
| Calcium | 5.36 | 0.0500 | mg/L wet | 5.00 | 107 | 70-130 |
| Magnesium | 5.50 | 0.0500 | " | 5.00 | 110 | 70-130 |
| Sodium | 5.27 | 0.0500 | " | 5.00 | 105 | 70-130 |

Batch BFC0522 - General Preparation

Blank (BFC0522-BLK1)

Prepared: 03/23/22 Analyzed: 03/24/22

| | | | |
|-----------|----|--------|----------|
| Calcium | ND | 0.0500 | mg/L wet |
| Magnesium | ND | 0.0500 | " |
| Sodium | ND | 0.0500 | " |

LCS (BFC0522-BS1)

Prepared: 03/23/22 Analyzed: 03/24/22

| | | | | | | |
|-----------|------|--------|----------|------|-----|--------|
| Calcium | 5.60 | 0.0500 | mg/L wet | 5.00 | 112 | 70-130 |
| Magnesium | 6.03 | 0.0500 | " | 5.00 | 121 | 70-130 |
| Sodium | 6.03 | 0.0500 | " | 5.00 | 121 | 70-130 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]

Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | | Spike | Source | %REC | | RPD | | |
|---------|--------|-----------|-------|-------|--------|--------|--------|-----|-------|-------|--|
| | | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | |

Batch BFC0287 - General Preparation

| | | | | | | | | | | | |
|---------------------------------|------|---------------------------|---|--|-------------------------------|--|--|-------|--|----|--|
| Duplicate (BFC0287-DUP1) | | Source: 2203021-01 | | | Prepared & Analyzed: 03/15/22 | | | | | | |
| % Solids | 85.5 | | % | | 85.3 | | | 0.253 | | 20 | |

Batch BFC0560 - General Preparation

| | | | | | | | | | | | |
|---------------------------------|------|---------------------------|---|--|-------------------------------|--|--|------|--|----|--|
| Duplicate (BFC0560-DUP1) | | Source: 2203177-11 | | | Prepared & Analyzed: 03/24/22 | | | | | | |
| % Solids | 74.4 | | % | | 76.3 | | | 2.55 | | 20 | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | %REC | | RPD | | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0250 - General Preparation

Blank (BFC0250-BLK1)

Prepared & Analyzed: 03/14/22

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BFC0250-BS1)

Prepared & Analyzed: 03/14/22

Specific Conductance (EC) 0.157 0.0100 mmhos/cm 0.150 105 95-105

Duplicate (BFC0250-DUP1)

Source: 2203112-01

Prepared & Analyzed: 03/14/22

Specific Conductance (EC) 0.768 0.0100 mmhos/cm 0.779 1.42 20

Batch BFC0534 - General Preparation

Blank (BFC0534-BLK1)

Prepared & Analyzed: 03/23/22

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BFC0534-BS1)

Prepared & Analyzed: 03/23/22

Specific Conductance (EC) 0.154 0.0100 mmhos/cm 0.150 103 95-105

Duplicate (BFC0534-DUP2)

Source: 2202085-01

Prepared & Analyzed: 03/23/22

Specific Conductance (EC) 0.268 0.0100 mmhos/cm 0.269 0.522 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|----------------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0249 - General Preparation

LCS (BFC0249-BS1)

Prepared & Analyzed: 03/14/22

| | | | | | |
|----|------|----------|------|------|--------|
| pH | 9.00 | pH Units | 9.18 | 98.0 | 95-105 |
|----|------|----------|------|------|--------|

Duplicate (BFC0249-DUP1)

Source: 2203112-01

Prepared & Analyzed: 03/14/22

| | | | | | |
|----|------|----------|------|-------|----|
| pH | 8.08 | pH Units | 8.02 | 0.745 | 20 |
|----|------|----------|------|-------|----|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
04/25/22 14:13

Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 31, 2022

Mark Longhurst

PDC Energy

1775 Sherman St. STE. 3000

Denver, CO 80203

RE: Peak 1 Tank Battery

Work Order #2203181

Enclosed are the results of analyses for samples received by Summit Scientific on 03/11/22 11:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury For Muri Premer
Project Manager



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SS12@10' | 2203181-01 | Soil | 03/11/22 09:20 | 03/11/22 11:40 |
| SS13@5' | 2203181-02 | Soil | 03/11/22 09:25 | 03/11/22 11:40 |
| SS15@10' | 2203181-04 | Soil | 03/11/22 09:50 | 03/11/22 11:40 |
| SS16@5' | 2203181-05 | Soil | 03/11/22 09:55 | 03/11/22 11:40 |


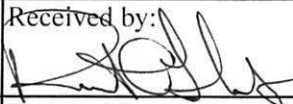
Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Summit Scientific

303-277-9310

Project Number:

| | | | | | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | Special Instructions | |
|--|--------------------|-------------------------|--------------|--|--------------|-------------------------|------|--------------------------|--------|---|----------------|-------------------------------|--------------------|---|-------------|-------------|----------------------|-----------|--------------|--|--------------------------------|--|
| ID | Sample Description | Date Sampled | Time Sampled | # of containers | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | BTEXN - 8260B | TPH - (C6 - C36) | pH, EC, SAR | Boron - HWS | TMBs (1,2,4)&(1,3,5) | PAH - 915 | Metals - 915 | | pH, EC, SAR by saturated paste | |
| 1 | SS12 @ 10' | 3/11/22 | 0920 | 3 | | | X | | | X | | | X | X | | | X | | | | | |
| 2 | SS13 @ 5' | | 0925 | 3 | | | X | | | X | | | X | X | | | X | | | | | |
| 3 | SS14 @ 2.5' | | 0930 | 1 | | | X | | | X | | | | | | | | | | | X | |
| 4 | SS15 @ 10' | | 0950 | 3 | | | X | | | X | | | X | X | | | X | | | | | |
| 5 | SS16 @ 5' | | 0955 | 3 | | | X | | | X | | | X | X | | | X | | | | | |
| 6 | SS17 @ 2.5' | | 1000 | 1 | | | X | | | X | | | | | | | | | | | X | |
| 7 | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by:  | | Date/Time: 3/11/22 1140 | | Received by: Tasman's Lock Box | | Date/Time: | | Turn Around Time (Check) | | Same Day <input checked="" type="checkbox"/> 72 hours | | 24 hours | | Standard | | Notes: | | | | | | |
| Relinquished by: Tasman's Lock Box | | Date/Time: | | Received by:  | | Date/Time: 3/11/22 1140 | | 48 hours | | Sample Integrity: | | Temperature Upon Receipt: 3.9 | | Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | | | | | | | | |
| Relinquished by: | | Date/Time: | | Received by: | | Date/Time: | | | | | | | | | | | | | | | | |

S₂2/2
Sample Receipt Checklist

S2 Work Order#

2203181

Client: PortasmanClient Project ID: Peak Tank BatteryShipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #:

Matrix (check all that apply):

☐ Air☒ Soil/Solid☐ Water☐ Other:

(Describe)


Temp (°C)

4.3

Thermometer ID: G86A9201901378

| | Yes | No | N/A | Comments (if any) |
|--|-----|----|-----|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun. | - | | | on ICE |
| Were all samples received intact ⁽¹⁾ ? | - | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | - | | | |
| If custody seals are present, are they intact ⁽¹⁾ ? | - | | | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | - | | | Same day |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | - | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | - | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | - | | | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | - | | | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | | | - | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc. | | | - | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments. | | | - | |
| If dissolved metals are requested, were samples field filtered? | | | - | |

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

Custodian Printed Name or Initials
3-1-0-22
Date/Time



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS12@10'
2203181-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/22 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0230 | 03/11/22 | 03/12/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 98.1 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/22 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0231 | 03/11/22 | 03/11/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 92.1 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS12@10'
2203181-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/11/22 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Anthracene | ND | 0.00500 | mg/kg | 1 | BFC0507 | 03/23/22 | 03/26/22 | EPA 8270D SIM | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 70.1 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 68.2 % | 40-150 | | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/11/22 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 52.0 | 0.0616 | mg/L dry | 1 | BFC0522 | 03/23/22 | 03/24/22 | EPA 6020B | |
| Magnesium | 4.06 | 0.0616 | " | " | " | " | " | " | |
| Sodium | 2.91 | 0.0616 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/11/22 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.105 | 0.00100 | units | 1 | BFC0579 | 03/24/22 | 03/24/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/11/22 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS12@10'
2203181-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 81.2 | % | 1 | BFC0560 | 03/24/22 | 03/24/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/11/22 09:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 1.04 | 0.0100 | mmhos/cm | 1 | BFC0534 | 03/23/22 | 03/23/22 | EPA 120.1 | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS13@5'
2203181-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/22 09:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0230 | 03/11/22 | 03/12/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.2 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 100 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/22 09:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0231 | 03/11/22 | 03/11/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 92.0 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS13@5'
2203181-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/11/22 09:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Anthracene | ND | 0.00500 | mg/kg | 1 | BFC0507 | 03/23/22 | 03/26/22 | EPA 8270D SIM | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 61.0 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 59.7 % | 40-150 | | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/11/22 09:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 47.1 | 0.0620 | mg/L dry | 1 | BFC0522 | 03/23/22 | 03/24/22 | EPA 6020B | |
| Magnesium | 3.29 | 0.0620 | " | " | " | " | " | " | |
| Sodium | 1.35 | 0.0620 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/11/22 09:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0513 | 0.00100 | units | 1 | BFC0579 | 03/24/22 | 03/24/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/11/22 09:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS13@5'
2203181-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 80.6 | % | 1 | BFC0560 | 03/24/22 | 03/24/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/11/22 09:25**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.274 | 0.0100 | mmhos/cm | 1 | BFC0534 | 03/23/22 | 03/23/22 | EPA 120.1 | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS15@10'
2203181-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/22 09:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0230 | 03/11/22 | 03/12/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.3 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 102 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.1 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/22 09:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0231 | 03/11/22 | 03/11/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 87.8 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS15@10'
2203181-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/11/22 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Anthracene | ND | 0.00500 | mg/kg | 1 | BFC0507 | 03/23/22 | 03/25/22 | EPA 8270D SIM | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 48.5 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 52.9 % | 40-150 | | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/11/22 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 18.7 | 0.0646 | mg/L dry | 1 | BFC0522 | 03/23/22 | 03/24/22 | EPA 6020B | |
| Magnesium | 2.12 | 0.0646 | " | " | " | " | " | " | |
| Sodium | 1.65 | 0.0646 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/11/22 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0964 | 0.00100 | units | 1 | BFC0579 | 03/24/22 | 03/24/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/11/22 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS15@10'
2203181-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 77.5 | % | 1 | BFC0560 | 03/24/22 | 03/24/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/11/22 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 1.35 | 0.0100 | mmhos/cm | 1 | BFC0534 | 03/23/22 | 03/23/22 | EPA 120.1 | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS16@5'
2203181-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/22 09:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BFC0230 | 03/11/22 | 03/12/22 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 50-150 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 100 % | 50-150 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.5 % | 50-150 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/22 09:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BFC0231 | 03/11/22 | 03/11/22 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 87.7 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS16@5'
2203181-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/11/22 09:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Anthracene | ND | 0.00500 | mg/kg | 1 | BFC0507 | 03/23/22 | 03/25/22 | EPA 8270D SIM | |
| Chrysene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/11/22 09:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | 45.9 % | 40-150 | " | " | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | 45.0 % | 40-150 | " | " | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/11/22 09:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 44.5 | 0.0626 | mg/L dry | 1 | BFC0522 | 03/23/22 | 03/24/22 | EPA 6020B | |
| Magnesium | 3.82 | 0.0626 | " | " | " | " | " | " | |
| Sodium | 1.30 | 0.0626 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/11/22 09:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.0502 | 0.00100 | units | 1 | BFC0579 | 03/24/22 | 03/24/22 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/11/22 09:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

SS16@5'
2203181-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

| | | | | | | | |
|----------|------|---|---|---------|----------|----------|-------------|
| % Solids | 79.9 | % | 1 | BFC0560 | 03/24/22 | 03/24/22 | Calculation |
|----------|------|---|---|---------|----------|----------|-------------|

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/11/22 09:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.358 | 0.0100 | mmhos/cm | 1 | BFC0534 | 03/23/22 | 03/23/22 | EPA 120.1 | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0230 - EPA 5030 Soil MS

Blank (BFC0230-BLK1)

Prepared: 03/11/22 Analyzed: 03/12/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.010 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " | | | | | | | |
| Naphthalene | ND | 0.0038 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0392 | | " | 0.0400 | | 98.1 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0411 | | " | 0.0400 | | 103 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0393 | | " | 0.0400 | | 98.2 | 50-150 | | | |

LCS (BFC0230-BS1)

Prepared: 03/11/22 Analyzed: 03/12/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0589 | 0.0020 | mg/kg | 0.0750 | | 78.5 | 70-130 | | | |
| Toluene | 0.0622 | 0.0050 | " | 0.0750 | | 83.0 | 70-130 | | | |
| Ethylbenzene | 0.0606 | 0.0050 | " | 0.0750 | | 80.8 | 70-130 | | | |
| m,p-Xylene | 0.129 | 0.010 | " | 0.150 | | 86.1 | 70-130 | | | |
| o-Xylene | 0.0627 | 0.0050 | " | 0.0750 | | 83.6 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0670 | 0.0050 | " | 0.0750 | | 89.3 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0656 | 0.0050 | " | 0.0750 | | 87.4 | 70-130 | | | |
| Naphthalene | 0.0553 | 0.0038 | " | 0.0750 | | 73.7 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0414 | | " | 0.0400 | | 104 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0406 | | " | 0.0400 | | 102 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0392 | | " | 0.0400 | | 97.9 | 50-150 | | | |

Matrix Spike (BFC0230-MS1)

Source: 2203181-01

Prepared: 03/11/22 Analyzed: 03/12/22

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0584 | 0.0020 | mg/kg | 0.0750 | ND | 77.8 | 70-130 | | | |
| Toluene | 0.0641 | 0.0050 | " | 0.0750 | ND | 85.4 | 70-130 | | | |
| Ethylbenzene | 0.0658 | 0.0050 | " | 0.0750 | ND | 87.8 | 70-130 | | | |
| m,p-Xylene | 0.140 | 0.010 | " | 0.150 | ND | 93.2 | 70-130 | | | |
| o-Xylene | 0.0669 | 0.0050 | " | 0.0750 | ND | 89.2 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0730 | 0.0050 | " | 0.0750 | ND | 97.3 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0711 | 0.0050 | " | 0.0750 | ND | 94.8 | 70-130 | | | |
| Naphthalene | 0.0692 | 0.0038 | " | 0.0750 | ND | 92.2 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0415 | | " | 0.0400 | | 104 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0407 | | " | 0.0400 | | 102 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0391 | | " | 0.0400 | | 97.6 | 50-150 | | | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

| Analyte | Reporting | | | Spike | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0230 - EPA 5030 Soil MS

| Matrix Spike Dup (BFC0230-MSD1) | Source: 2203181-01 | | | Prepared: 03/11/22 Analyzed: 03/12/22 | | | | | | |
|----------------------------------|--------------------|--------|-------|---------------------------------------|----|------|--------|-------|----|--|
| Benzene | 0.0602 | 0.0020 | mg/kg | 0.0750 | ND | 80.3 | 70-130 | 3.14 | 30 | |
| Toluene | 0.0658 | 0.0050 | " | 0.0750 | ND | 87.8 | 70-130 | 2.68 | 30 | |
| Ethylbenzene | 0.0674 | 0.0050 | " | 0.0750 | ND | 89.9 | 70-130 | 2.39 | 30 | |
| m,p-Xylene | 0.141 | 0.010 | " | 0.150 | ND | 94.3 | 70-130 | 1.24 | 30 | |
| o-Xylene | 0.0688 | 0.0050 | " | 0.0750 | ND | 91.8 | 70-130 | 2.92 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0752 | 0.0050 | " | 0.0750 | ND | 100 | 70-130 | 3.00 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0728 | 0.0050 | " | 0.0750 | ND | 97.0 | 70-130 | 2.34 | 30 | |
| Naphthalene | 0.0695 | 0.0038 | " | 0.0750 | ND | 92.7 | 70-130 | 0.562 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0402 | | " | 0.0400 | | 100 | 50-150 | | | |
| Surrogate: Toluene-d8 | 0.0404 | | " | 0.0400 | | 101 | 50-150 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0391 | | " | 0.0400 | | 97.6 | 50-150 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|----------------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0231 - EPA 3550A

Blank (BFC0231-BLK1)

Prepared: 03/11/22 Analyzed: 03/12/22

| | | | |
|---------------|----|----|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg |
| C28-C36 (ORO) | ND | 50 | " |

LCS (BFC0231-BS1)

Prepared: 03/11/22 Analyzed: 03/12/22

| | | | | | | |
|---------------|-----|----|-------|-----|-----|--------|
| C10-C28 (DRO) | 547 | 50 | mg/kg | 500 | 109 | 70-130 |
|---------------|-----|----|-------|-----|-----|--------|

Matrix Spike (BFC0231-MS1)

Source: 2203181-01

Prepared: 03/11/22 Analyzed: 03/12/22

| | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|
| C10-C28 (DRO) | 434 | 50 | mg/kg | 500 | 23.5 | 82.1 | 70-130 |
|---------------|-----|----|-------|-----|------|------|--------|

Matrix Spike Dup (BFC0231-MSD1)

Source: 2203181-01

Prepared: 03/11/22 Analyzed: 03/12/22

| | | | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|------|----|
| C10-C28 (DRO) | 428 | 50 | mg/kg | 500 | 23.5 | 80.9 | 70-130 | 1.39 | 20 |
|---------------|-----|----|-------|-----|------|------|--------|------|----|

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

| Reporting | | | | Spike | Source | %REC | | | RPD | |
|-----------|--------|-------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0507 - EPA 5030 Soil MS

Blank (BFC0507-BLK1)

Prepared: 03/23/22 Analyzed: 03/25/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | ND | 0.00500 | mg/kg | | | | | | | |
| Anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.00500 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.00500 | " | | | | | | | |
| Chrysene | ND | 0.00500 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | | | | | | | |
| Fluoranthene | ND | 0.00500 | " | | | | | | | |
| Fluorene | ND | 0.00500 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0216 | | " | 0.0333 | | 64.8 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0242 | | " | 0.0333 | | 72.7 | 40-150 | | | |

LCS (BFC0507-BS1)

Prepared: 03/23/22 Analyzed: 03/25/22

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | 0.0190 | 0.00500 | mg/kg | 0.0333 | | 57.1 | 31-137 | | | |
| Anthracene | 0.0203 | 0.00500 | " | 0.0333 | | 61.0 | 30-120 | | | |
| Benzo (a) anthracene | 0.0201 | 0.00500 | " | 0.0333 | | 60.3 | 30-120 | | | |
| Benzo (a) pyrene | 0.0246 | 0.00500 | " | 0.0333 | | 73.9 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0214 | 0.00500 | " | 0.0333 | | 64.3 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0260 | 0.00500 | " | 0.0333 | | 78.0 | 30-120 | | | |
| Chrysene | 0.0239 | 0.00500 | " | 0.0333 | | 71.6 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0263 | 0.00500 | " | 0.0333 | | 79.0 | 30-120 | | | |
| Fluoranthene | 0.0223 | 0.00500 | " | 0.0333 | | 66.9 | 30-120 | | | |
| Fluorene | 0.0214 | 0.00500 | " | 0.0333 | | 64.1 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0391 | 0.00500 | " | 0.0333 | | 117 | 30-120 | | | |
| Pyrene | 0.0250 | 0.00500 | " | 0.0333 | | 74.9 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0185 | 0.00500 | " | 0.0333 | | 55.5 | 35-142 | | | |
| 2-Methylnaphthalene | 0.0160 | 0.00500 | " | 0.0333 | | 48.0 | 35-142 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0174 | | " | 0.0333 | | 52.3 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0213 | | " | 0.0333 | | 63.8 | 40-150 | | | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

| Analyte | Reporting | | | Spike Level | Source | | %REC | | RPD | |
|---------|-----------|-------|-------|----------------|--------|------|--------|-----|-------|-------|
| | Result | Limit | Units | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0507 - EPA 5030 Soil MS

Matrix Spike (BFC0507-MS1)

Source: 2203177-11

Prepared: 03/23/22 Analyzed: 03/26/22

| | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|
| Acenaphthene | 0.0296 | 0.00500 | mg/kg | 0.0333 | ND | 88.9 | 31-137 | | |
| Anthracene | 0.0294 | 0.00500 | " | 0.0333 | ND | 88.1 | 30-120 | | |
| Benzo (a) anthracene | 0.0316 | 0.00500 | " | 0.0333 | ND | 94.8 | 30-120 | | |
| Benzo (a) pyrene | 0.0296 | 0.00500 | " | 0.0333 | ND | 88.7 | 30-120 | | |
| Benzo (b) fluoranthene | 0.0315 | 0.00500 | " | 0.0333 | ND | 94.5 | 30-120 | | |
| Benzo (k) fluoranthene | 0.0288 | 0.00500 | " | 0.0333 | ND | 86.4 | 30-120 | | |
| Chrysene | 0.0310 | 0.00500 | " | 0.0333 | ND | 93.0 | 30-120 | | |
| Dibenz (a,h) anthracene | 0.0210 | 0.00500 | " | 0.0333 | ND | 63.1 | 30-120 | | |
| Fluoranthene | 0.0289 | 0.00500 | " | 0.0333 | ND | 86.7 | 30-120 | | |
| Fluorene | 0.0290 | 0.00500 | " | 0.0333 | ND | 87.1 | 30-120 | | |
| Indeno (1,2,3-cd) pyrene | 0.0218 | 0.00500 | " | 0.0333 | ND | 65.4 | 30-120 | | |
| Pyrene | 0.0314 | 0.00500 | " | 0.0333 | ND | 94.1 | 35-142 | | |
| 1-Methylnaphthalene | 0.0268 | 0.00500 | " | 0.0333 | ND | 80.4 | 15-130 | | |
| 2-Methylnaphthalene | 0.0265 | 0.00500 | " | 0.0333 | ND | 79.4 | 15-130 | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0238 | | " | 0.0333 | | 71.5 | 40-150 | | |
| Surrogate: Fluoranthene-d10 | 0.0285 | | " | 0.0333 | | 85.6 | 40-150 | | |

Matrix Spike Dup (BFC0507-MSD1)

Source: 2203177-11

Prepared: 03/23/22 Analyzed: 03/26/22

| | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|-------|----|
| Acenaphthene | 0.0259 | 0.00500 | mg/kg | 0.0333 | ND | 77.8 | 31-137 | 13.3 | 30 |
| Anthracene | 0.0293 | 0.00500 | " | 0.0333 | ND | 87.8 | 30-120 | 0.297 | 30 |
| Benzo (a) anthracene | 0.0290 | 0.00500 | " | 0.0333 | ND | 86.9 | 30-120 | 8.79 | 30 |
| Benzo (a) pyrene | 0.0276 | 0.00500 | " | 0.0333 | ND | 82.8 | 30-120 | 6.87 | 30 |
| Benzo (b) fluoranthene | 0.0295 | 0.00500 | " | 0.0333 | ND | 88.4 | 30-120 | 6.70 | 30 |
| Benzo (k) fluoranthene | 0.0276 | 0.00500 | " | 0.0333 | ND | 82.9 | 30-120 | 4.19 | 30 |
| Chrysene | 0.0292 | 0.00500 | " | 0.0333 | ND | 87.7 | 30-120 | 5.81 | 30 |
| Dibenz (a,h) anthracene | 0.0200 | 0.00500 | " | 0.0333 | ND | 60.1 | 30-120 | 4.85 | 30 |
| Fluoranthene | 0.0286 | 0.00500 | " | 0.0333 | ND | 85.7 | 30-120 | 1.21 | 30 |
| Fluorene | 0.0253 | 0.00500 | " | 0.0333 | ND | 75.8 | 30-120 | 13.9 | 30 |
| Indeno (1,2,3-cd) pyrene | 0.0207 | 0.00500 | " | 0.0333 | ND | 62.1 | 30-120 | 5.19 | 30 |
| Pyrene | 0.0287 | 0.00500 | " | 0.0333 | ND | 86.1 | 35-142 | 8.84 | 30 |
| 1-Methylnaphthalene | 0.0233 | 0.00500 | " | 0.0333 | ND | 69.9 | 15-130 | 14.0 | 50 |
| 2-Methylnaphthalene | 0.0219 | 0.00500 | " | 0.0333 | ND | 65.8 | 15-130 | 18.7 | 50 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0239 | | " | 0.0333 | | 71.8 | 40-150 | | |
| Surrogate: Fluoranthene-d10 | 0.0281 | | " | 0.0333 | | 84.2 | 40-150 | | |

Summit Scientific

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PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|----------------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0522 - General Preparation

Blank (BFC0522-BLK1)

Prepared: 03/23/22 Analyzed: 03/24/22

| | | | |
|-----------|----|--------|----------|
| Calcium | ND | 0.0500 | mg/L wet |
| Magnesium | ND | 0.0500 | " |
| Sodium | ND | 0.0500 | " |

LCS (BFC0522-BS1)

Prepared: 03/23/22 Analyzed: 03/24/22

| | | | | | | |
|-----------|------|--------|----------|------|-----|--------|
| Calcium | 5.60 | 0.0500 | mg/L wet | 5.00 | 112 | 70-130 |
| Magnesium | 6.03 | 0.0500 | " | 5.00 | 121 | 70-130 |
| Sodium | 6.03 | 0.0500 | " | 5.00 | 121 | 70-130 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]

Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|----------------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0560 - General Preparation

Duplicate (BFC0560-DUP1)

Source: 2203177-11

Prepared & Analyzed: 03/24/22

| | | | | | |
|----------|------|---|------|------|----|
| % Solids | 74.4 | % | 76.3 | 2.55 | 20 |
|----------|------|---|------|------|----|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery
Project Number: [none]
Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control
Summit Scientific

| Analyte | Result | Reporting | | Spike Level | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|----------------|--------|------|--------|-----|-------|-------|
| | | Limit | Units | | Result | %REC | Limits | RPD | Limit | Notes |

Batch BFC0534 - General Preparation

Blank (BFC0534-BLK1)

Prepared & Analyzed: 03/23/22

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BFC0534-BS1)

Prepared & Analyzed: 03/23/22

Specific Conductance (EC) 0.154 0.0100 mmhos/cm 0.150 103 95-105

Duplicate (BFC0534-DUP2)

Source: 2202085-01

Prepared & Analyzed: 03/23/22

Specific Conductance (EC) 0.268 0.0100 mmhos/cm 0.269 0.522 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



PDC Energy
1775 Sherman St. STE. 3000
Denver CO, 80203

Project: Peak 1 Tank Battery

Project Number: [none]

Project Manager: Mark Longhurst

Reported:
03/31/22 09:45

Notes and Definitions

| | |
|-----|--|
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |