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
SB01 @ 5'	11/16/2022	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	0.778	2.20

Notes:

1. Compounds referenced from the COGCC 2 CCR 404-1, Table 915-1, effective January 15, 2021.
2. Soil Screening Levels (SSL) referenced from EPA Regional Screening Levels (EPA RSLs) for Chemical Contaminants at Superfund Sites, effective November 2020.
3. SSLs are applicable if a pathway for communication with groundwater is present.
4. 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, sample material was excavated and transported off-site for disposal
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 Suitabilty 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 = millgram per liter
ft. = Feet
bgs = Below ground surface
BOLD = Analytical result is in exceedance of applicable standard.
= Source material characterization sample, sample material was excavated and transported off-site for disposal

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:
1. Compounds referenced from the COGCC 2 CCR 404-1, Table 915-1, effective January 15, 2021.
2. Soil Screening Levels (SSL) referenced from EPA Regional Screening Levels (EPA RSLs) for Chemical Contaminants at Superfund Sites, effective November 2020.
3. 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) = Benzanthracene
Benzo(a) = Benzopyrene
Benzo(b) = Benzofluoranthene
Benzo(k) = Benzofluoranthene
A,H = Dibenzoanthracene
1,2,3-CD = Indenopyrene
M = Methylnaphthalene
mg/kg = Milligrams per kilogram
= Source material characterization sample, sample material was excavated and transported off-site for disposal
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
SB02 @ 1'	11/16/2022	1 ft. bgs	NA	NA	<0.200	NA	NA	NA	NA	NA	NA	NA
SB02 @ 2.5'	11/16/2022	2.5 ft. bgs	NA	NA	0.260	NA	NA	NA	NA	NA	NA	NA
SB02 @ 4'	11/16/2022	4 ft. bgs	NA	NA	0.241	NA	NA	NA	NA	NA	NA	NA
SB03 @ 0.5'	11/16/2022	0.5 ft bgs	NA	NA	<0.200	NA	NA	NA	NA	NA	NA	NA
SB03 @ 1'	11/16/2022	1 ft. bgs	NA	NA	0.224	NA	NA	NA	NA	NA	NA	NA
SB04 @ 0.5'	11/16/2022	0.5 ft bgs	NA	NA	<0.200	NA	NA	NA	NA	NA	NA	NA
SB04 @ 1'	11/16/2022	1 ft. bgs	NA	NA	<0.200	NA	NA	NA	NA	NA	NA	NA
SB05 @ 0.5'	11/16/2022	0.5 ft bgs	NA	NA	<0.200	NA	NA	NA	NA	NA	NA	NA
SB05 @ 1'	11/16/2022	1 ft. bgs	NA	NA	0.230	NA	NA	NA	NA	NA	NA	NA
BKG02 @ 1'	11/16/2022	1 ft. bgs	**2.91**	**99.5**	0.249	<0.30 [4]	6.63	7.34	4.89	0.232 [6]	0.0379	24.9
BKG02 @ 2.5'	11/16/2022	2.5 ft. bgs	**2.43**	**94.8**	0.172 [6]	<0.30 [4]	4.24	4.82	3.53	<0.197 [5]	0.0244	15.5
BKG02 @ 4'	11/16/2022	4 ft. bgs	**2.50**	**156**	0.197 [6]	<0.30 [4]	3.32	5.10	3.44	<0.203 [5]	0.0195 [6]	14.3
BKG02 @ 5'	11/16/2022	5 ft. bgs	**2.98**	**147**	0.234 [6]	<0.30 [4]	3.73	5.78	3.96	<0.208 [5]	0.0219 [6]	16.7
BKG02 @ 10'	11/16/2022	10 ft. bgs	**2.46**	**104**	0.152 [6]	<0.30 [4]	3.77	5.65	3.86	<0.200 [5]	0.0202 [6]	15.5
BKG03 @ 1'	11/16/2022	1 ft. bgs	**2.40**	**116**	0.228 [6]	<0.30 [4]	5.28	6.70	4.93	<0.202 [5]	0.0319	18.6
BKG03 @ 2.5'	11/16/2022	2.5 ft. bgs	**2.90**	**119**	0.221 [6]	<0.30 [4]	4.57	5.91	4.11	<0.195 [5]	0.0254	17.7
BKG03 @ 4'	11/16/2022	4 ft. bgs	**2.58**	**142**	0.192 [6]	<0.30 [4]	3.54	5.47	3.62	<0.193 [5]	0.0190 [6]	15.5
BKG03 @ 5'	11/16/2022	5 ft. bgs	**5.05**	**390**	0.278	<0.30 [4]	4.30	7.12	4.66	<0.214 [5]	0.0254	18.6
BKG03 @ 10'	11/16/2022	10 ft. bgs	**4.72**	**110**	0.157 [6]	<0.30 [4]	3.59	5.06	3.89	<0.198 [5]	0.0185 [6]	14.6
BKG04 @ 1'	11/16/2022	1 ft. bgs	**3.21**	**148**	0.304	<0.30 [4]	6.14	7.20	5.41	<0.215 [5]	0.0374	22.0
BKG04 @ 2.5'	11/16/2022	2.5 ft. bgs	**3.58**	**190**	0.298	<0.30 [4]	5.00	7.37	4.72	<0.227 [5]	0.0296	22.2
BKG04 @ 4'	11/16/2022	4 ft. bgs	**3.50**	**244**	0.269	<0.30 [4]	3.71	7.01	4.02	<0.227 [5]	0.0249 [6]	17.5
BKG04 @ 5'	11/16/2022	5 ft. bgs	**4.27**	**328**	0.491	<0.30 [4]	14.3	10.6	7.01	<0.237 [5]	0.0439	42.2
BKG04 @ 10'	11/16/2022	10 ft. bgs	**3.03**	**119**	0.186 [6]	<0.30 [4]	4.36	6.10	4.62	<0.212 [5]	0.0238 [6]	16.9
BKG05 @ 1'	11/16/2022	1 ft. bgs	**3.17**	**119**	0.248	<0.30 [4]	5.95	7.97	5.03	<0.200 [5]	0.0421	21.5
BKG05 @ 2.5'	11/16/2022	2.5 ft. bgs	**3.02**	**168**	0.312	<0.30 [4]	4.17	6.00	4.21	<0.200 [5]	0.0269	18.4
BKG05 @ 4'	11/16/2022	4 ft. bgs	**2.07**	**173**	0.199 [6]	<0.30 [4]	4.49	6.04	4.79	**0.625**	0.0291	20.1
BKG05 @ 5'	11/16/2022	5 ft. bgs	**2.77**	**247**	0.242 [6]	<0.30 [4]	7.06	7.57	6.52	**0.652**	0.0343	27.6
BKG05 @ 10'	11/16/2022	10 ft. bgs	**4.97**	**136**	0.239 [6]	<0.30 [4]	7.02	7.22	7.00	**0.658**	0.0326	25.7
Mean Background Concentration [7]			**3.11**	**170**	**0.240**	**0.30**	**5.37**	**6.74**	**4.87**	**0.357**	**0.0295**	**21.2**
1.25x Mean Background Concentration			**3.89**	**213**	**0.300**	**0.38**	**6.72**	**8.43**	**6.08**	**0.446**	**0.0369**	**26.5**

Notes:

1. Compounds referenced from the COGCC 2 CCR 404-1, Table 915-1, effective January 15, 2021.
2. Soil Screening Levels (SSL) referenced from EPA Regional Screening Levels (EPA RSLs) for Chemical Contaminants at Superfund Sites, effective November 2020.
3. SSLs are applicable if a pathway for communication with groundwater is present.
4. Compound falls within COGCC Table 915-1 Footnote 9.
5. Non-detect value reflects the method detection limit (MDL) provided in the laboratory report.
6. Concentration detected but below the Reporting Limit; therefore, result is an estimated concentration.
7. Non-detect background results accounted for in the mean background concentration by using the reporting limit.

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, sample material was excavated and transported off-site for diposal
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.
NA = Constituent not analyzed

Meter house metal evaluation:

Arsenic:

Concentration used to evaluate arsenic Protection of Groundwater SSL exceedances is the average arsenic background concentration (3.11 mg/kg).

Barium:

Concentration used to evaluate barium Protection of Groundwater SSL exceedances is 1.25 times the average barium background concentration (170 mg/kg x 1.25 = 213 mg/kg).

Cadmium:

The cadmium exceedance observed in MH01-B @ 1' bgs (0.608 mg/kg) was a discrete location and native soil below and adjacent to the former meterhouse excavation location (SB02 - SB05) was observed in compliance with COGCC Table 915-1 standards.

Selenium:

Concentration used to evaluate selenium Protection of Groundwater SSL exceedances is 1.25 times the average selenium background concentration (0.357 mg/kg x 1.25 = 0.446 mg/kg).

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
SB01 @ 5'	11/16/2022	5 ft. bgs	40.44391886	-104.5934319	NC	0.0
SB02 @ 1'	11/16/2022	1 ft. bgs	40.44391075	-104.5935818	NC	0.0
SB02 @ 2.5'	11/16/2022	2.5 ft. bgs	40.44391075	-104.5935818	NC	0.0
SB02 @ 4'	11/16/2022	4 ft. bgs	40.44391075	-104.5935818	NC	0.0
SB03 @ 0.5'	11/16/2022	0.5 ft bgs	40.4439328	-104.5935805	NC	0.0
SB03 @ 1'	11/16/2022	1 ft. bgs	40.4439328	-104.5935805	NC	0.0

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)
SB04 @ 0.5'	11/16/2022	0.5 ft bgs	40.44391565	-104.5936029	NC	0.0
SB04 @ 1'	11/16/2022	1 ft. bgs	40.44391565	-104.5936029	NC	0.0
SB05 @ 0.5'	11/16/2022	0.5 ft bgs	40.44389293	-104.5935812	NC	0.0
SB05 @ 1'	11/16/2022	1 ft. bgs	40.44389293	-104.5935812	NC	0.0
BKG02 @ 1'	11/16/2022	1 ft. bgs	40.44405163	-104.5938534	NC	0.0
BKG02 @ 2.5'	11/16/2022	2.5 ft. bgs	40.44405163	-104.5938534	NC	0.0
BKG02 @ 4'	11/16/2022	4 ft. bgs	40.44405163	-104.5938534	NC	0.0
BKG02 @ 5'	11/16/2022	5 ft. bgs	40.44405163	-104.5938534	NC	0.0
BKG02 @ 10'	11/16/2022	10 ft. bgs	40.44405163	-104.5938534	NC	0.0
BKG03 @ 1'	11/16/2022	1 ft. bgs	40.44384884	-104.5937348	NC	0.0
BKG03 @ 2.5'	11/16/2022	2.5 ft. bgs	40.44384884	-104.5937348	NC	0.1
BKG03 @ 4'	11/16/2022	4 ft. bgs	40.44384884	-104.5937348	NC	0.0
BKG03 @ 5'	11/16/2022	5 ft. bgs	40.44384884	-104.5937348	NC	0.0
BKG03 @ 10'	11/16/2022	10 ft. bgs	40.44384884	-104.5937348	NC	0.0
BKG04 @ 1'	11/16/2022	1 ft. bgs	40.44382638	-104.5933466	NC	0.0
BKG04 @ 2.5'	11/16/2022	2.5 ft. bgs	40.44382638	-104.5933466	NC	0.0
BKG04 @ 4'	11/16/2022	4 ft. bgs	40.44382638	-104.5933466	NC	0.0
BKG04 @ 5'	11/16/2022	5 ft. bgs	40.44382638	-104.5933466	NC	0.0
BKG04 @ 10'	11/16/2022	10 ft. bgs	40.44382638	-104.5933466	NC	0.0
BKG05 @ 1'	11/16/2022	1 ft. bgs	40.44401425	-104.5931877	NC	0.0
BKG05 @ 2.5'	11/16/2022	2.5 ft. bgs	40.44401425	-104.5931877	NC	0.0
BKG05 @ 4'	11/16/2022	4 ft. bgs	40.44401425	-104.5931877	NC	0.0
BKG05 @ 5'	11/16/2022	5 ft. bgs	40.44401425	-104.5931877	NC	0.0
BKG05 @ 10'	11/16/2022	10 ft. bgs	40.44401425	-104.5931877	NC	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, sample material was excavated and transported off-site for disposal
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,

Paul Shrewsbury
President

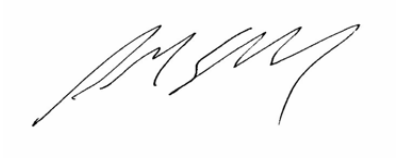
S2

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.

2203161

Summit Scientific

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

Client:	PDC / Tasman	Project Manager:	Mark Longhurst
Address:	6855 W 119th Ave	E-Mail:	mark.longhurst@pdce.com
City/State/Zip:	Broomfield, CO 80020	Project Name:	Peak 1 Tank Battery
Phone:	Fax:	Project Number:	
Sampler Name:	Robert Aronoff		

				Preservative				Matrix				Analyze For:								
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO_3	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX N (8260)	TPH (C6-C36)	pH, EC, SAR	Boron - HWS	TMBs	PAHs - 915	Metals-915	Hold	Special Instructions
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:	Received by:	Date/Time:
	3/9/2022 17:40	TLB	3922 1757
TLB	3922 1727		3922 1757
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:

Turn Around Time (Check)

Same Day	✓	72 Hours	
24 Hours		Standard	
48 Hours			

Sample Integrity:
Temperature Upon Receipt: 7.7
Intact: Yes ✓ No

Notes:
~~No Metals~~
~~For~~ RA
~~MH01-B@1'~~
Run MH01-B@1' for metals

S2

Sample Receipt Checklist

S2 Work Order# 2203161

Client: PBC Hashem Client Project ID: Peak | Tank Battery

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other ____ Airbill #: ____

Matrix (check all that apply): ☐ Air ☐ Soil/Solid ☐ Water ☐ Other: ____ (Describe)

Temp (°C)	7.7

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, H2SO4, NaOH, HNO3, 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

3.9.22
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*		"	"	"	"	

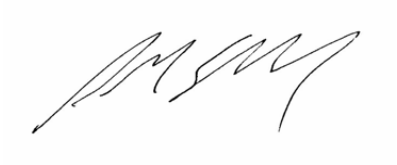
Extractable Petroleum Hydrocarbons by 8015

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*		"	"	"	"	



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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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 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 12:35**

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

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

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**

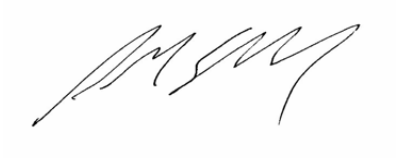
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**0.0253**	0.0100	mg/L	1	BFC0211	03/11/22	03/13/22	EPA 6020B	

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



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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

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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

Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**83.1**		%	1	BFC0178	03/10/22	03/10/22	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

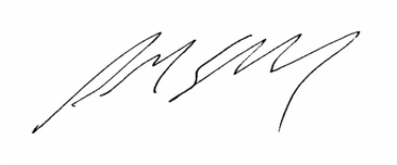
Date Sampled: **03/09/22 14:15**

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	



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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

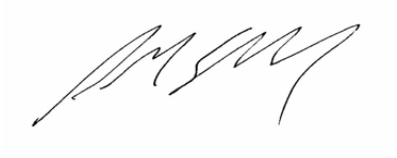
Date Sampled: **03/09/22 13:40**

Analyte	Result	Reporting 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 13:40**

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

PAH by EPA Method 8270D SIM



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**

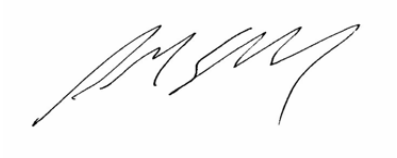
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**0.864**	0.0100	mg/L	1	BFC0211	03/11/22	03/13/22	EPA 6020B	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**

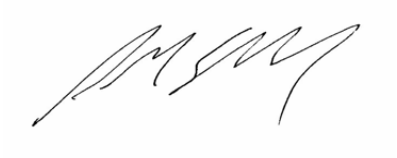
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.468**	0.00100	units	1	BFC0262	03/14/22	03/14/22	Calculation	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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	

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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

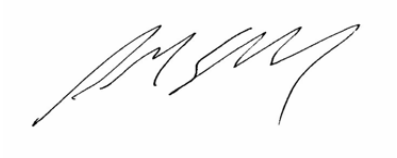
Date Sampled: **03/09/22 14:05**

Analyte	Result	Reporting 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 14:05**

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

PAH by EPA Method 8270D SIM



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**

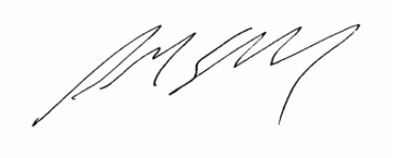
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	**0.0987**	0.0100	mg/L	1	BFC0211	03/11/22	03/13/22	EPA 6020B	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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	

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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

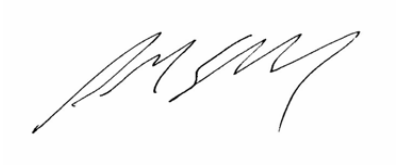
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			



Extractable Petroleum Hydrocarbons by 8015 - Quality Control

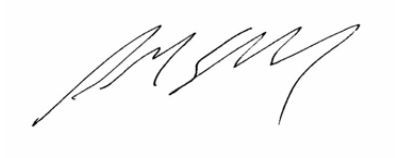
Summit Scientific

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

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			

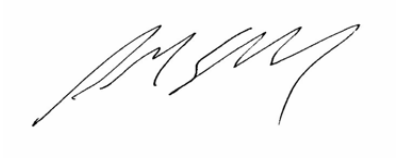


PDC Energy 1775 Sherman St. STE. 3000 Denver CO, 80203	Project: Peak 1 Tank Battery Project Number: [none] Project Manager: Mark Longhurst	**Reported:** 03/22/22 15:10

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			



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

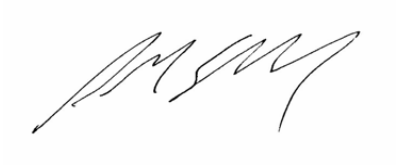
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFC0211 - EPA 3050B										
Blank (BFC0211-BLK1)				Prepared: 03/11/22 Analyzed: 03/13/22						
Boron	ND	0.0100	mg/L							
LCS (BFC0211-BS1)				Prepared: 03/11/22 Analyzed: 03/13/22						
Boron	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	

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	QR-03
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	



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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	

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 Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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			

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

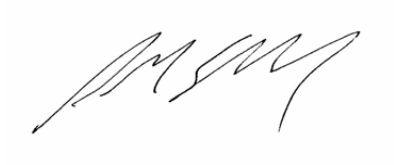
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFC0178 - General Preparation										
Duplicate (BFC0178-DUP1)	**Source: 2203121-01**			Prepared & Analyzed: 03/10/22						
% Solids	86.6		%		86.8			0.237	20	

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 Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	



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 Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	

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

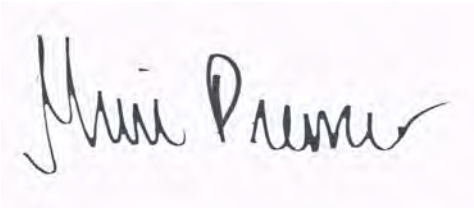
April 25, 2022

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,



Muri Premer For Paul Shrewsbury
President

S2

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.

2203177.1

Summit Scientific

S2

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Client: PDC / Tasman
Address: 6855 W 119th Ave
City/State/Zip: Broomfield/ CO/ 80020
Phone: 303-487-1228
Sampler Name: David Vigil

Project Manager: Mark Longhurst
E-Mail: mark.longhurst@PDCE.com
Project Name: Peak 1 Tank Battery
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	6010	pH, EC, SAR by saturated paste
1	SEPO1-DL-B@5'	3/10/22	1020	3			X			X			X	X	X	X	X	X	X		
2	SEPO1-DL-N@2.5'		1022	3			X			X										X	
3	SEPO1-DL-W@2.5'		1024	3			X			X										X	
4	SEPO1-DL-S@2.5'		1026	3			X			X										X	
5	SEPO1-DL-E@2.5'		1028	3			X			X			X	X	X	X	X	X	X		
6	BKGO1@1'		1430	1			X			X									X		
7	BKGO1@2.5'		1435	1			X			X									X		
8	BKGO1@4'		1440	1			X			X									X		
9	BKGO1@5'		1445	1			X			X									X		
10	BKGO1@10'		1455	1			X			X									X		

Relinquished by:	Date/Time:	Received by:	Date/Time:
	3/10/22 1645	Tasman's Lock Box RCH	31022 1645
Relinquished by: Tasman's Lock Box	Date/Time:	Received by:	Date/Time: 31022 1645
Relinquished by:	Date/Time:	Received by:	Date/Time:

Turn Around Time (Check)
Same Day X
24 hours ___
48 hours ___
72 hours ___
Standard ___

Sample Integrity:
Temperature Upon Receipt: 4.3
Samples Intact: (Yes) No

Notes:

2203177.2

Summit Scientific

5

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Client: PDC / Tasman
Address: 6855 W 119th Ave
City/State/Zip: Broomfield/ CO/ 80020
Phone: 303-487-1228
Sampler Name: David Vigil

Project Manager: Mark Longhurst
E-Mail: mark.longhurst@PDCE.com
Project Name: Peak 2 Tank Battery
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	4014	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'	V	1405	1			X			X					X	X					

Relinquished by:	Date/Time:	Received by:	Date/Time:
	3/10/22 1645	Tasman's Lock Box	
Relinquished by: Tasman's Lock Box	Date/Time:	Received by:	Date/Time: 31022 1645
Relinquished by:	Date/Time:	Received by:	Date/Time:

Turn Around Time (Check)
Same Day X
24 hours ___
48 hours ___
72 hours ___
Standard ___

Sample Integrity:
Temperature Upon Receipt: 4.3
Samples Intact: (Yes) No

Notes:

S2

2/2

Sample Receipt Checklist

S2 Work Order# 2203177

Client: Ex Tasman Client Project ID: Peak 1 Tank Battery

Shipped 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?	~			Sameday
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, H2SO4, NaOH, HNO3, 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.**

RTSHA

Custodian Printed Name or Initials

3-1-22

Date/Time

S2

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 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 10:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

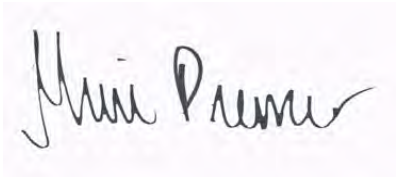
Date Sampled: **03/10/22 10:20**

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

PAH by EPA Method 8270D SIM



S2

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

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.

S2

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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.

S2

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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	

S2

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

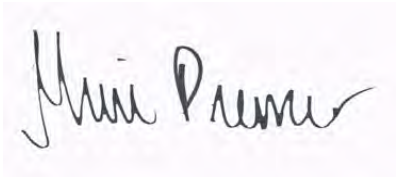
Date Sampled: **03/10/22 10:28**

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



S2

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.

S2

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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.

S2

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**78.8**		%	1	BFC0287	03/15/22	03/15/22	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

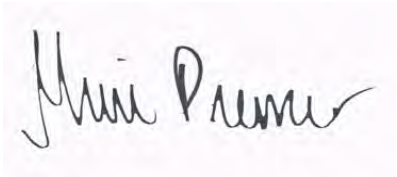
Date Sampled: **03/10/22 10:28**

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	



S2

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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

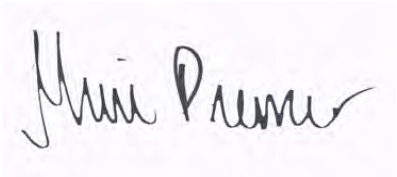
Date Sampled: **03/10/22 14:30**

Analyte	Result	Reporting 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	

Physical Parameters by APHA/ASTM/EPA Methods

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

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



S2

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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

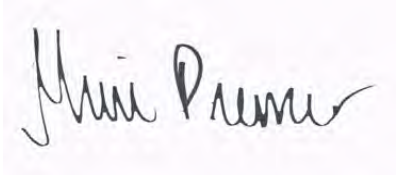
Date Sampled: **03/10/22 14:35**

Analyte	Result	Reporting 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	

Physical Parameters by APHA/ASTM/EPA Methods

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

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



S2

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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

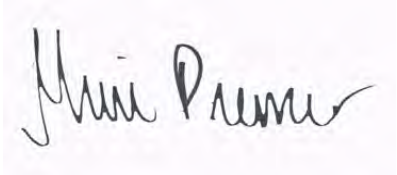
Date Sampled: **03/10/22 14:40**

Analyte	Result	Reporting 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	

Physical Parameters by APHA/ASTM/EPA Methods

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

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



S2

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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

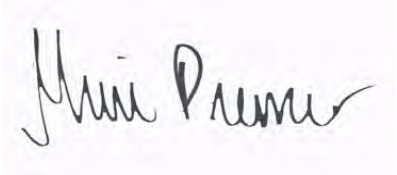
Date Sampled: **03/10/22 14:45**

Analyte	Result	Reporting 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	

Physical Parameters by APHA/ASTM/EPA Methods

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

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



S2

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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

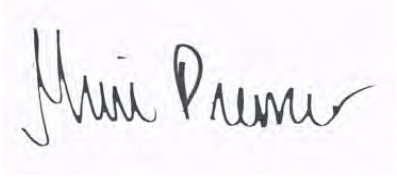
Date Sampled: **03/10/22 14:55**

Analyte	Result	Reporting 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	

Physical Parameters by APHA/ASTM/EPA Methods

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

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



S2

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 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 09:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

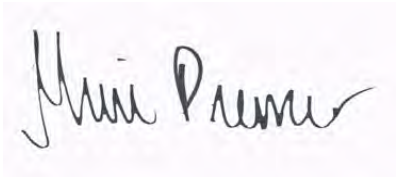
Date Sampled: **03/10/22 09:30**

Analyte	Result	Reporting 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 09:30**

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

PAH by EPA Method 8270D SIM



S2

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**

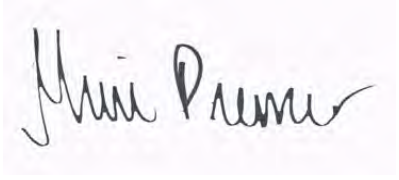
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.683**	0.00100	units	1	BFC0579	03/24/22	03/24/22	Calculation	

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.

S2

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

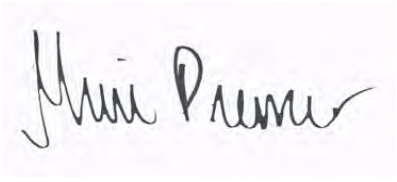
Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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	



S2

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

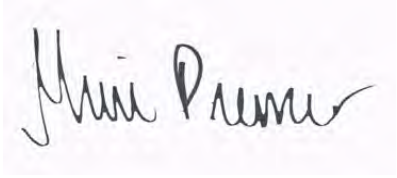
Date Sampled: **03/10/22 12:10**

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



S2

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

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S2

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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

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S2

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 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 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

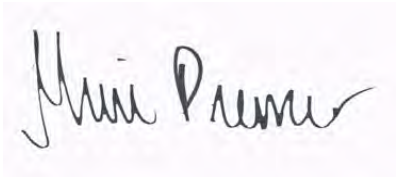
Date Sampled: **03/10/22 12:15**

Analyte	Result	Reporting 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 12:15**

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

PAH by EPA Method 8270D SIM



S2

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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S2

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

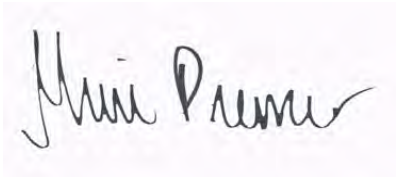
Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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	



S2

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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S2

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

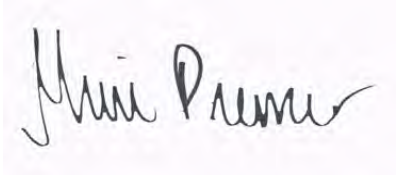
Date Sampled: **03/10/22 12:20**

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	



S2

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

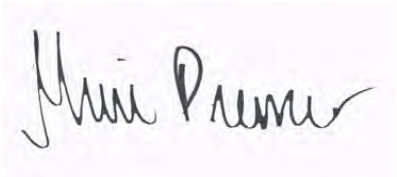
Date Sampled: **03/10/22 13:35**

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



S2

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

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S2

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

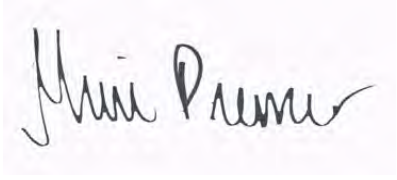
Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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	



S2

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 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 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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 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 13:40**

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

S2

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

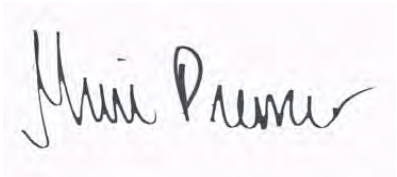
Date Sampled: **03/10/22 13:55**

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



S2

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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S2

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

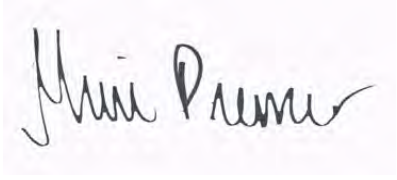
Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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	



S2

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 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 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

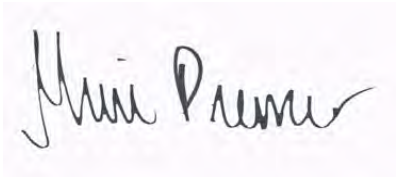
Date Sampled: **03/10/22 14:00**

Analyte	Result	Reporting 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 14:00**

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

PAH by EPA Method 8270D SIM



S2

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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S2

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

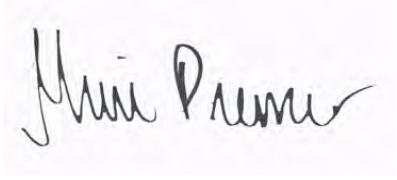
Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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	



S2

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

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S2

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 Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	**7.91**		pH Units	1	BFC0249	03/14/22	03/14/22	EPA 9045D	

S2

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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

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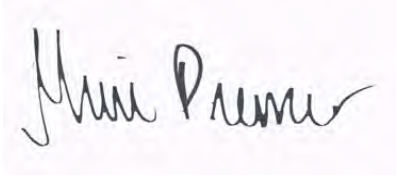
S2

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			



S2

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 Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	

S2

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			

S2

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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

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.

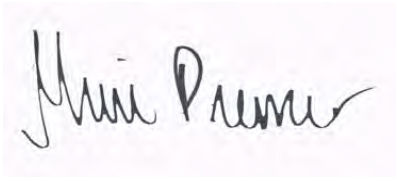
S2

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			



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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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			

S2

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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

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.

S2

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			

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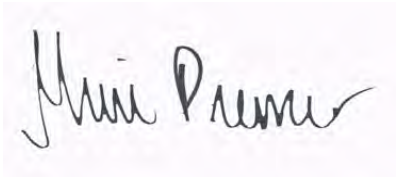


The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

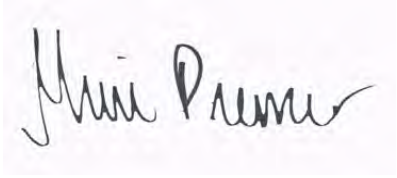
S2

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	04/25/22 14:13

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

Summit Scientific

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



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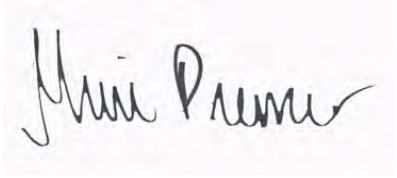
PDC Energy 1775 Sherman St. STE. 3000 Denver CO, 80203	Project: Peak 1 Tank Battery Project Number: [none] Project Manager: Mark Longhurst	**Reported:** 04/25/22 14:13

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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



S2

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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

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.

S2

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	

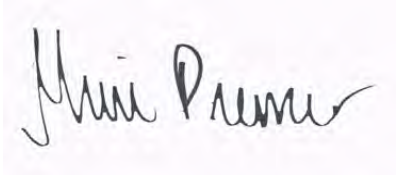
S2

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	04/25/22 14:13

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

Summit Scientific

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



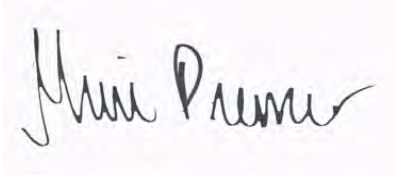
S2

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 Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	



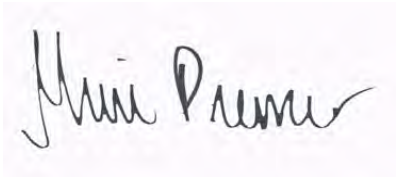
S2

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	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	



S2

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 Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	

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,

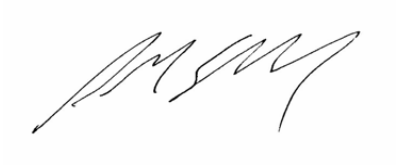
Paul Shrewsbury For Muri Premer
Project Manager

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.

2203181

Summit Scientific

5₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Client: PDC / Tasman
Address: 6855 W 119th Ave
City/State/Zip: Broomfield/ CO/ 80020
Phone: 303-487-1228
Sampler Name: David Vigil

Project Manager: Mark Longhurst
E-Mail: mark.longhurst@PDCE.com
Project Name: Peak 1 Tank Battery
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	4018	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:	Received by:	Date/Time:
[signature]	3/11/22 1140	Tasman's Lock Box	
Relinquished by: Tasman's Lock Box	Date/Time:	Received by: [signature]	Date/Time: 31122 1140
Relinquished by:	Date/Time:	Received by:	Date/Time:

Turn Around Time (Check)
Same Day X
24 hours ___
48 hours ___
72 hours ___
Standard ___

Sample Integrity:
Temperature Upon Receipt: 3.9
Samples Intact: (Yes) No

Notes:

S2

2/2

Sample Receipt Checklist

S2 Work Order# 2203181

Client: Pac Tasman Client Project ID: Bak 1 Tank Battery

Shipped 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?	–			Sameday
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, H2SO4, NaOH, HNO3, 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

3-4-22

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

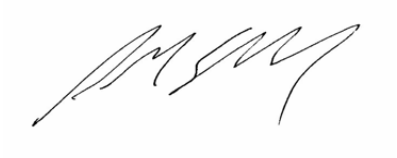
Date Sampled: **03/11/22 09:20**

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



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**

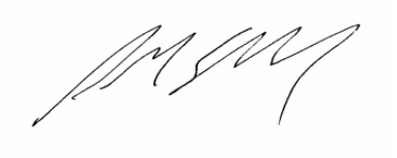
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.105**	0.00100	units	1	BFC0579	03/24/22	03/24/22	Calculation	

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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S2

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	

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 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 09:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

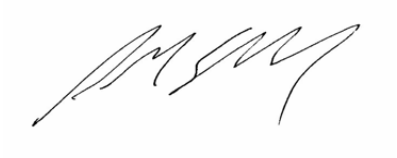
Date Sampled: **03/11/22 09:25**

Analyte	Result	Reporting 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 09:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		*92.0 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM



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**

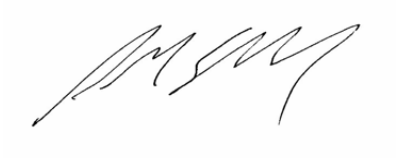
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.0513**	0.00100	units	1	BFC0579	03/24/22	03/24/22	Calculation	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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	

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 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 09:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

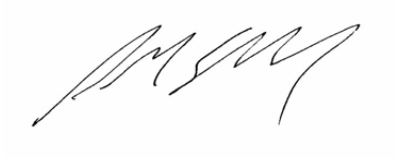
Date Sampled: **03/11/22 09:50**

Analyte	Result	Reporting 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 09:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		*87.8 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM



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**

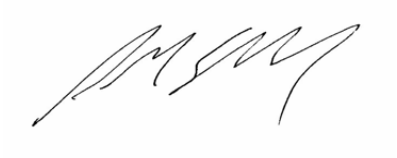
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.0964**	0.00100	units	1	BFC0579	03/24/22	03/24/22	Calculation	

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

Summit Scientific



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S2

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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	

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 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 09:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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

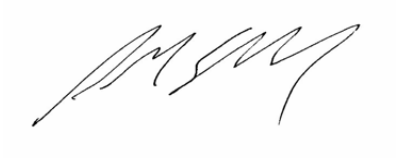
Date Sampled: **03/11/22 09:55**

Analyte	Result	Reporting 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 09:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		*87.7 %*	*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM



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**

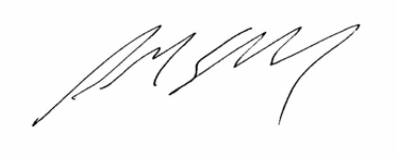
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**0.0502**	0.00100	units	1	BFC0579	03/24/22	03/24/22	Calculation	

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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S2

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

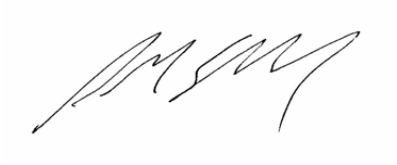
Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% 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	



Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

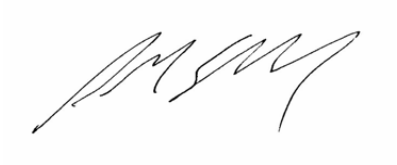
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFC0231 - EPA 3550A										
Blank (BFC0231-BLK1)				Prepared: 03/11/22 Analyzed: 03/12/22						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
LCS (BFC0231-BS1)				Prepared: 03/11/22 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	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	03/31/22 09:45

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			

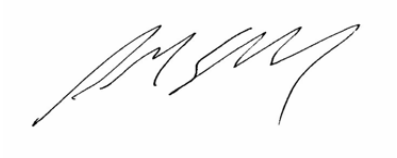


PDC Energy 1775 Sherman St. STE. 3000 Denver CO, 80203	Project: Peak 1 Tank Battery Project Number: [none] Project Manager: Mark Longhurst	**Reported:** 03/31/22 09:45

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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*			



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 Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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			

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 Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	

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 Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	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	

S2

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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

February 28, 2023

Mark Longhurst

PDC Energy

1775 Sherman St. STE. 3000

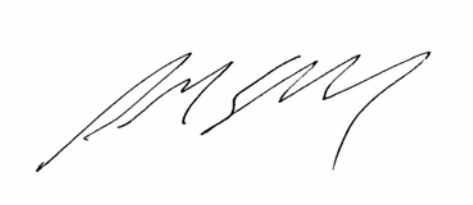
Denver, CO 80203

RE: Peak 1 Tank Battery

Work Order # 2211294

Enclosed are the results of analyses for samples received by Summit Scientific on 11/16/22 17:08. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury

President

S2

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB01@5'	2211294-01	Soil	11/16/22 10:22	11/16/22 17:08
SB02@1'	2211294-02	Soil	11/16/22 10:33	11/16/22 17:08
SB02@2.5'	2211294-03	Soil	11/16/22 10:38	11/16/22 17:08
SB02@4'	2211294-04	Soil	11/16/22 10:43	11/16/22 17:08
SB03@1'	2211294-05	Soil	11/16/22 10:18	11/16/22 17:08
SB04@1'	2211294-08	Soil	11/16/22 10:32	11/16/22 17:08
SB05@1'	2211294-11	Soil	11/16/22 10:53	11/16/22 17:08
BKG02@1'	2211294-14	Soil	11/16/22 11:14	11/16/22 17:08
BKG02@2.5'	2211294-15	Soil	11/16/22 11:19	11/16/22 17:08
BKG02@4'	2211294-16	Soil	11/16/22 11:22	11/16/22 17:08
BKG02@5'	2211294-17	Soil	11/16/22 11:26	11/16/22 17:08
BKG02@10'	2211294-18	Soil	11/16/22 11:36	11/16/22 17:08
BKG03@1'	2211294-19	Soil	11/16/22 11:04	11/16/22 17:08
BKG03@2.5'	2211294-20	Soil	11/16/22 11:09	11/16/22 17:08
BKG03@4'	2211294-21	Soil	11/16/22 11:11	11/16/22 17:08
BKG03@5'	2211294-22	Soil	11/16/22 11:14	11/16/22 17:08
BKG03@10'	2211294-23	Soil	11/16/22 11:22	11/16/22 17:08
BKG04@1'	2211294-24	Soil	11/16/22 11:38	11/16/22 17:08
BKG04@2.5'	2211294-25	Soil	11/16/22 11:41	11/16/22 17:08
BKG04@4'	2211294-26	Soil	11/16/22 11:44	11/16/22 17:08
BKG04@5'	2211294-27	Soil	11/16/22 11:48	11/16/22 17:08
BKG04@10'	2211294-28	Soil	11/16/22 11:54	11/16/22 17:08
BKG05@1'	2211294-29	Soil	11/16/22 11:55	11/16/22 17:08
BKG05@2.5'	2211294-30	Soil	11/16/22 12:01	11/16/22 17:08
BKG05@4'	2211294-31	Soil	11/16/22 12:08	11/16/22 17:08
BKG05@5'	2211294-32	Soil	11/16/22 12:12	11/16/22 17:08
BKG05@10'	2211294-33	Soil	11/16/22 12:29	11/16/22 17:08

Summit Scientific

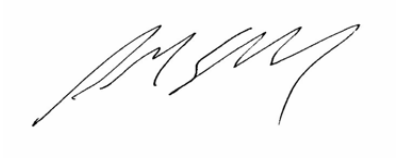
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB03@0.5'	2211294-34	Soil	11/16/22 10:17	11/16/22 17:08
SB04@0.5'	2211294-35	Soil	11/16/22 10:31	11/16/22 17:08
SB05@0.5'	2211294-36	Soil	11/16/22 10:51	11/16/22 17:08

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

S_2

221124.1

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Client: PDC ES CIVITAS / ~~Tasman~~ | Project Manager: Mark Longhurst ES ~~Sam Vogt / Jacob Evans~~

Address: 6855 W 119th Ave | E-Mail: svogt@tasman-geo.com / jevans@tasman-geo.com

City/State/Zip: Broomfield/ CO/ 80020

Phone: 303-487-1228 | Project Name: Peak 1 Tank Battery

Sampler Name: Mike Connolly | Project Number: NA

					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)	1,2,4 & 1,3,5-TMB	Boron - HWS	pH, EC, SAR	PAHs ★	Cadmium	On Hold	pH, EC, SAR by saturated paste
1	SB01 @ 5'	11/16/22	1022	3			X			X			X	X	X		X	X			
2	SB02 @ 1'	"	1033	1			"			"									X		
3	SB02 @ 2.5'	"	1038	1			"			"									X		
4	SB02 @ 4'	"	1043	1			"			"									X		
5	SB03 @ 1'	"	1018	1			"			"										X	
6	SB03 @ 2.5'	"	1025	1			"			"										X	
7	SB03 @ 4'	"	1030	1			"			"										X	
8	SB04 @ 1'	"	1032	1			"			"										X	
9	SB04 @ 2.5'	"	1035	1			"			"										X	
10	SB04 @ 4'	"	1040	1			"			"										X	

Relinquished by:	Date/Time:	Received by:	Date/Time:
M. Connolly	11/16/22 1415	Tasman's Lock Box	11/16/22 1415
Relinquished by: Tasman's Lock Box	Date/Time: 111622 1718	Received by:	Date/Time: 111622 1708
Relinquished by:	Date/Time:	Received by:	Date/Time:

Turn Around Time (Check)

Same Day ___ | 72 hours ___

24 hours ___ | Standard X

48 hours ___

Sample Integrity:

Temperature Upon Receipt: 8.0

Samples Intact: Yes No

Notes:

★ - Just anthracene, chrysene, fluorene, 1-M, 2-M

Summit Scientific

S_2

2211294.2

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

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 1 Tank Battery
Sampler Name:	M. Connolly	Project Number:	NA

					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)	1,2,4 & 1,3,5-TMB	Boron - HWS	pH, EC, SAR	Metals	On Hold		pH, EC, SAR by saturated paste
1	SB05 @ 1'	11/16/22	1053	1			X			X									X		
2	SB05 @ 2.5'	"	1058	1			"			"									X		
3	SB05 @ 4'	"	1103	1			"			"									X		
4	BKG02 @ 1'	"	1114	1			"			"								X			
5	BKG02 @ 2.5'	"	1119	1			"			"								X			
6	BKG02 @ 4'	"	1122	1			"			"								X			
7	BKG02 @ 5'	"	1126	1			"			"								X			
8	BKG02 @ 10'	"	1136	1			"			"								X			
9	BKG03 @ 1'	"	1104	1			"			"								X			
10	BKG03 @ 2.5'	"	1109	1			"			"								X			

Relinquished by: M. Connolly	Date/Time: 11/16/22 1415	Received by: Tasman's Lock Box	Date/Time: 11/16/22 1415	**Turn Around Time**	(Check)
Relinquished by: Tasman's Lock Box	Date/Time: 111622 1708	Received by:	Date/Time: 111622 1708	Same Day ___	72 hours ___
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 hours ___	Standard X
				48 hours ___	
				Sample Integrity:	
				Temperature Upon Receipt: 8.0	
				Samples Intact: Yes	No

Notes:

Summit Scientific

S_2

2211293

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

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 1 Tank Battery
Sampler Name: M. Connolly		Project Number:	NA

					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)	1,2,4 & 1,3,5-TMB	Boron - HWS	pH, EC, SAR	Metals			pH, EC, SAR by saturated paste
1	BKG03 @ 4'	11/16/22	1111	1			X			X								X			
2	BKG03 @ 5'		1114	1														X			
3	BKG03 @ 10'		1122	1														X			
4	BKG04 @ 1'		1138	1														X			
5	BKG04 @ 2.5'		1141	1														X			
6	BKG04 @ 4'		1144	1														X			
7	BKG04 @ 5'		1148	1														X			
8	BKG04 @ 10'		1154	1														X			
9	BKG05 @ 1'		1155	1														X			
10	BKG05 @ 2.5'		1201	1														X			

Relinquished by:	Date/Time:	Received by:	Date/Time:
M. Connolly	11/16/22 1415	Tasman's Lock Box	11/16/22 1415
Relinquished by: Tasman's Lock Box	Date/Time: 111622 1708	Received by:	Date/Time: 111622 1708
Relinquished by:	Date/Time:	Received by:	Date/Time:

Turn Around Time (Check)

Same Day	___	72 hours	___
24 hours	___	Standard	X
48 hours	___		

Sample Integrity:

Temperature Upon Receipt: 8.0

Samples Intact: (Yes) No

Notes:

Summit Scientific

S_2

2211294.4

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

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 1 Tank Battery
Sampler Name: M. Connolly		Project Number:	NA

					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)	1,2,4 & 1,3,5-TMB	Boron - HWS	pH, EC, SAR	Metals	Cadmium		pH, EC, SAR by saturated paste
1	BKGOS@4'	11/16/22	1208	1			X			X								X			
2	BKGOS@5'	"	1212	1			X			X								X			
3	BKGOS@10'	"	1229	1			X			X								X			
4	SB03@0.5'	"	1017	1			X			X									X		
5	SB04@0.5'	"	1031	1			X			X									X		
6	SB05@0.5'	"	1051	1			X			X									X		
7																					
8																					
9																					
10																					

				Turn Around Time	(Check)	Notes:
Relinquished by: M. Connolly	Date/Time: 11/16/22 1415	Received by: Tasman's Lock Box	Date/Time: 11/16/22 1415	Same Day ___	72 hours ___	
Relinquished by: Tasman's Lock Box	Date/Time: 111622 1708	Received by:	Date/Time: 111622 1708	24 hours ___	Standard X	
Relinquished by:	Date/Time:	Received by:	Date/Time:	48 hours ___		
				Sample Integrity:		
				Temperature Upon Receipt: 8.0		
				Samples Intact: (Yes) No		

S2

4/4

Sample Receipt Checklist

S2 Work Order# 2211294

Client: PDC/Tasman Client Project ID: Peak 1 Tank Battery

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other [ ] Airbill #: [ ]

[ ] [—] [ ] [ ] [ ]

Matrix (Check all that apply) Air [ ] Soil/Solid [ ] Water [ ] Other [ ]

Temp (°C) 8.0 Thermometer # 1

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°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
If custody seals are present, are they intact? (1)	—			
Are samples due within 48 hours present?		—		
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe^{2+}), Hexavalent Chromium (Cr^{6+}, Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen			—	
Is a chain-of-custody (COC) form present and filled out Completely? (1)	—			
Is the COC properly relinquished by the client w/ date and time recorded? (1)	—			
Were all samples received intact? (1)	—			
Was adequate sample volume provided? (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)	—			
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_2SO_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

11-16-22 1708

Date/Time

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB01@5'

2211294-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **11/16/22 10:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020		mg/kg	1	BFK0484	11/18/22	11/20/22	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: **11/16/22 10:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*71.4 %*		*50-150*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*50-150*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*		*50-150*		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

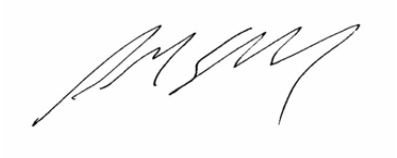
Date Sampled: **11/16/22 10:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50		mg/kg	1	BFK0485	11/18/22	11/19/22	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **11/16/22 10:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		*104 %*		*30-150*		"	"	"	"	

PAH by EPA Method 8270D SIM



PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB01@5'

2211294-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **11/16/22 10:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Anthracene	ND	0.00500		mg/kg	1	BFK0541	11/21/22	11/22/22	EPA 8270D SIM	
Chrysene	ND	0.00500		"	"	"	"	"	"	
Fluorene	ND	0.00500		"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500		"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500		"	"	"	"	"	"	

Date Sampled: **11/16/22 10:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		*47.7 %*		*40-150*		"	"	"	"	
Surrogate: Fluoranthene-d10		*43.3 %*		*40-150*		"	"	"	"	

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

Date Sampled: **11/16/22 10:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	**64.4**	0.0553		mg/L dry	1	BFK0501	11/18/22	11/22/22	EPA 6020B	
Magnesium	**18.2**	0.0553		"	"	"	"	"	"	
Sodium	**77.8**	0.0553		"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **11/16/22 10:22**

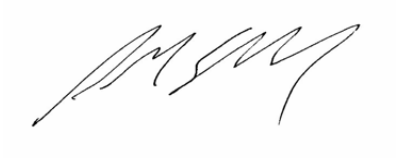
Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	**2.20**	0.00100		units	1	BFK0573	11/22/22	11/22/22	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 10:22**

Analyte	Result	Reporting Limit	MDL	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	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB01@5'

2211294-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**90.3**			%	1	BFK0516	11/18/22	11/21/22	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **11/16/22 10:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	**0.778**	0.0100		mmhos/cm	1	BFK0534	11/19/22	11/19/22	EPA 120.1	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB02@1'

2211294-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

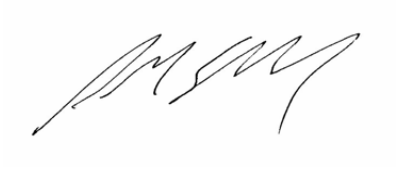
Date Sampled: **11/16/22 10:33**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	ND	0.200		mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 10:33**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**87.2**			%	1	BFK0498	11/18/22	11/19/22	Calculation	



PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB02@2.5'

2211294-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 10:38**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	**0.260**	0.200		mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 10:38**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**80.9**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

S2

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB02@4'

2211294-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 10:43**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	**0.241**	0.200		mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 10:43**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**80.7**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB03@1'

2211294-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

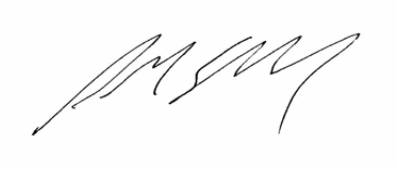
Date Sampled: **11/16/22 10:18**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	**0.224**	0.200		mg/kg dry	1	BFL0038	12/01/22	12/03/22	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 10:18**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**83.9**			%	1	BFL0092	12/04/22	12/04/22	Calculation	



S2

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB04@1'

2211294-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 10:32**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	ND	0.200		mg/kg dry	1	BFL0038	12/01/22	12/03/22	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 10:32**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**84.9**			%	1	BFL0092	12/04/22	12/04/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB05@1'

2211294-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B

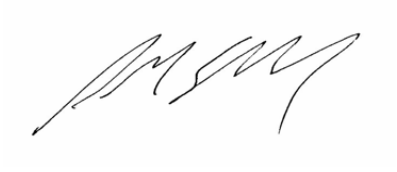
Date Sampled: **11/16/22 10:53**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	**0.230**	0.200		mg/kg dry	1	BFL0038	12/01/22	12/03/22	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 10:53**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**84.6**			%	1	BFL0092	12/04/22	12/04/22	Calculation	



PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG02@1'

2211294-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:14**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**2.91**	0.231	0.195	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**99.5**	0.462	0.365	"	"	"	"	"	"	
Cadmium	**0.249**	0.231	0.00832	"	"	"	"	"	"	
Copper	**6.63**	0.462	0.0241	"	"	"	"	"	"	
Lead	**7.34**	0.231	0.0635	"	"	"	"	"	"	
Nickel	**4.89**	0.462	0.0704	"	"	"	"	"	"	
Silver	**0.0379**	0.0231	0.00308	"	"	"	"	"	"	
Zinc	**24.9**	0.462	0.307	"	"	"	"	"	"	
Selenium	**0.232**	0.300	0.202	"	"	"	"	"	"	J

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:14**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:14**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**86.6**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG02@2.5'

2211294-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:19**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**2.43**	0.226	0.190	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**94.8**	0.451	0.356	"	"	"	"	"	"	
Cadmium	**0.172**	0.226	0.00812	"	"	"	"	"	"	J
Copper	**4.24**	0.451	0.0236	"	"	"	"	"	"	
Lead	**4.82**	0.226	0.0620	"	"	"	"	"	"	
Nickel	**3.53**	0.451	0.0688	"	"	"	"	"	"	
Silver	**0.0244**	0.0226	0.00301	"	"	"	"	"	"	
Zinc	**15.5**	0.451	0.300	"	"	"	"	"	"	
Selenium	ND	0.293	0.197	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:19**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:19**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**88.7**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG02@4'

2211294-16 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**2.50**	0.232	0.195	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**156**	0.464	0.367	"	"	"	"	"	"	
Cadmium	**0.197**	0.232	0.00835	"	"	"	"	"	"	J
Copper	**3.32**	0.464	0.0242	"	"	"	"	"	"	
Lead	**5.10**	0.232	0.0637	"	"	"	"	"	"	
Nickel	**3.44**	0.464	0.0708	"	"	"	"	"	"	
Silver	**0.0195**	0.0232	0.00310	"	"	"	"	"	"	J
Zinc	**14.3**	0.464	0.309	"	"	"	"	"	"	
Selenium	ND	0.302	0.203	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**86.2**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG02@5'

2211294-17 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:26**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**2.98**	0.238	0.200	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**147**	0.476	0.376	"	"	"	"	"	"	
Cadmium	**0.234**	0.238	0.00856	"	"	"	"	"	"	J
Copper	**3.73**	0.476	0.0249	"	"	"	"	"	"	
Lead	**5.78**	0.238	0.0654	"	"	"	"	"	"	
Nickel	**3.96**	0.476	0.0726	"	"	"	"	"	"	
Silver	**0.0219**	0.0238	0.00318	"	"	"	"	"	"	J
Zinc	**16.7**	0.476	0.316	"	"	"	"	"	"	
Selenium	ND	0.309	0.208	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:26**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:26**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**84.1**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG02@10'

2211294-18 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:36**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**2.46**	0.229	0.193	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**104**	0.458	0.362	"	"	"	"	"	"	
Cadmium	**0.152**	0.229	0.00825	"	"	"	"	"	"	J
Copper	**3.77**	0.458	0.0239	"	"	"	"	"	"	
Lead	**5.65**	0.229	0.0629	"	"	"	"	"	"	
Nickel	**3.86**	0.458	0.0699	"	"	"	"	"	"	
Silver	**0.0202**	0.0229	0.00306	"	"	"	"	"	"	J
Zinc	**15.5**	0.458	0.305	"	"	"	"	"	"	
Selenium	ND	0.298	0.200	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:36**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:36**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**87.3**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG03@1'

2211294-19 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:04**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**2.40**	0.231	0.195	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**116**	0.463	0.365	"	"	"	"	"	"	
Cadmium	**0.228**	0.231	0.00833	"	"	"	"	"	"	J
Copper	**5.28**	0.463	0.0242	"	"	"	"	"	"	
Lead	**6.70**	0.231	0.0636	"	"	"	"	"	"	
Nickel	**4.93**	0.463	0.0706	"	"	"	"	"	"	
Silver	**0.0319**	0.0231	0.00309	"	"	"	"	"	"	
Zinc	**18.6**	0.463	0.308	"	"	"	"	"	"	
Selenium	ND	0.301	0.202	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:04**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:04**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**86.5**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG03@2.5'

2211294-20 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:09**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**2.90**	0.223	0.188	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**119**	0.446	0.353	"	"	"	"	"	"	
Cadmium	**0.221**	0.223	0.00803	"	"	"	"	"	"	J
Copper	**4.57**	0.446	0.0233	"	"	"	"	"	"	
Lead	**5.91**	0.223	0.0613	"	"	"	"	"	"	
Nickel	**4.11**	0.446	0.0681	"	"	"	"	"	"	
Silver	**0.0254**	0.0223	0.00298	"	"	"	"	"	"	
Zinc	**17.7**	0.446	0.297	"	"	"	"	"	"	
Selenium	ND	0.290	0.195	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:09**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:09**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**89.6**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG03@4'

2211294-21 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:11**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**2.58**	0.220	0.186	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**142**	0.441	0.348	"	"	"	"	"	"	
Cadmium	**0.192**	0.220	0.00793	"	"	"	"	"	"	J
Copper	**3.54**	0.441	0.0230	"	"	"	"	"	"	
Lead	**5.47**	0.220	0.0606	"	"	"	"	"	"	
Nickel	**3.62**	0.441	0.0672	"	"	"	"	"	"	
Silver	**0.0190**	0.0220	0.00294	"	"	"	"	"	"	J
Zinc	**15.5**	0.441	0.293	"	"	"	"	"	"	
Selenium	ND	0.286	0.193	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:11**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:11**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**90.8**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG03@5'

2211294-22 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:14**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**5.05**	0.244	0.206	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**390**	0.489	0.386	"	"	"	"	"	"	
Cadmium	**0.278**	0.244	0.00880	"	"	"	"	"	"	
Copper	**4.30**	0.489	0.0255	"	"	"	"	"	"	
Lead	**7.12**	0.244	0.0672	"	"	"	"	"	"	
Nickel	**4.66**	0.489	0.0745	"	"	"	"	"	"	
Silver	**0.0254**	0.0244	0.00326	"	"	"	"	"	"	
Zinc	**18.6**	0.489	0.325	"	"	"	"	"	"	
Selenium	ND	0.318	0.214	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:14**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:14**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**81.8**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG03@10'

2211294-23 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**4.72**	0.226	0.190	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**110**	0.452	0.357	"	"	"	"	"	"	
Cadmium	**0.157**	0.226	0.00814	"	"	"	"	"	"	J
Copper	**3.59**	0.452	0.0236	"	"	"	"	"	"	
Lead	**5.06**	0.226	0.0621	"	"	"	"	"	"	
Nickel	**3.89**	0.452	0.0689	"	"	"	"	"	"	
Silver	**0.0185**	0.0226	0.00302	"	"	"	"	"	"	J
Zinc	**14.6**	0.452	0.301	"	"	"	"	"	"	
Selenium	ND	0.294	0.198	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:22**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**88.5**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG04@1'

2211294-24 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:38**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**3.21**	0.246	0.207	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**148**	0.492	0.389	"	"	"	"	"	"	
Cadmium	**0.304**	0.246	0.00885	"	"	"	"	"	"	
Copper	**6.14**	0.492	0.0257	"	"	"	"	"	"	
Lead	**7.20**	0.246	0.0676	"	"	"	"	"	"	
Nickel	**5.41**	0.492	0.0750	"	"	"	"	"	"	
Silver	**0.0374**	0.0246	0.00328	"	"	"	"	"	"	
Zinc	**22.0**	0.492	0.327	"	"	"	"	"	"	
Selenium	ND	0.320	0.215	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:38**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:38**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**81.3**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG04@2.5'

2211294-25 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:41**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**3.58**	0.260	0.219	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**190**	0.519	0.410	"	"	"	"	"	"	
Cadmium	**0.298**	0.260	0.00934	"	"	"	"	"	"	
Copper	**5.00**	0.519	0.0271	"	"	"	"	"	"	
Lead	**7.37**	0.260	0.0713	"	"	"	"	"	"	
Nickel	**4.72**	0.519	0.0792	"	"	"	"	"	"	
Silver	**0.0296**	0.0260	0.00346	"	"	"	"	"	"	
Zinc	**22.2**	0.519	0.345	"	"	"	"	"	"	
Selenium	ND	0.337	0.227	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:41**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:41**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**77.1**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG04@4'

2211294-26 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:44**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**3.50**	0.260	0.219	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**244**	0.519	0.410	"	"	"	"	"	"	
Cadmium	**0.269**	0.260	0.00935	"	"	"	"	"	"	
Copper	**3.71**	0.519	0.0271	"	"	"	"	"	"	
Lead	**7.01**	0.260	0.0714	"	"	"	"	"	"	
Nickel	**4.02**	0.519	0.0792	"	"	"	"	"	"	
Silver	**0.0249**	0.0260	0.00347	"	"	"	"	"	"	J
Zinc	**17.5**	0.519	0.345	"	"	"	"	"	"	
Selenium	ND	0.338	0.227	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:44**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:44**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**77.0**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG04@5'

2211294-27 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:48**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**4.27**	0.271	0.228	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**328**	0.542	0.428	"	"	"	"	"	"	
Cadmium	**0.491**	0.271	0.00976	"	"	"	"	"	"	
Copper	**14.3**	0.542	0.0283	"	"	"	"	"	"	
Lead	**10.6**	0.271	0.0745	"	"	"	"	"	"	
Nickel	**7.01**	0.542	0.0827	"	"	"	"	"	"	
Silver	**0.0439**	0.0271	0.00362	"	"	"	"	"	"	
Zinc	**42.2**	0.542	0.361	"	"	"	"	"	"	
Selenium	ND	0.353	0.237	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:48**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:48**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**73.7**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG04@10'

2211294-28 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:54**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**3.03**	0.242	0.204	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**119**	0.485	0.383	"	"	"	"	"	"	
Cadmium	**0.186**	0.242	0.00872	"	"	"	"	"	"	J
Copper	**4.36**	0.485	0.0253	"	"	"	"	"	"	
Lead	**6.10**	0.242	0.0666	"	"	"	"	"	"	
Nickel	**4.62**	0.485	0.0739	"	"	"	"	"	"	
Silver	**0.0238**	0.0242	0.00324	"	"	"	"	"	"	J
Zinc	**16.9**	0.485	0.322	"	"	"	"	"	"	
Selenium	ND	0.315	0.212	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:54**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:54**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**82.5**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG05@1'

2211294-29 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 11:55**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**3.17**	0.229	0.193	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**119**	0.457	0.361	"	"	"	"	"	"	
Cadmium	**0.248**	0.229	0.00823	"	"	"	"	"	"	
Copper	**5.95**	0.457	0.0239	"	"	"	"	"	"	
Lead	**7.97**	0.229	0.0629	"	"	"	"	"	"	
Nickel	**5.03**	0.457	0.0698	"	"	"	"	"	"	
Silver	**0.0421**	0.0229	0.00305	"	"	"	"	"	"	
Zinc	**21.5**	0.457	0.304	"	"	"	"	"	"	
Selenium	ND	0.297	0.200	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 11:55**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 11:55**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**87.4**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG05@2.5'

2211294-30 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 12:01**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**3.02**	0.228	0.192	mg/kg dry	1	BFK0488	11/18/22	11/19/22	EPA 6020B	
Barium	**168**	0.456	0.360	"	"	"	"	"	"	
Cadmium	**0.312**	0.228	0.00821	"	"	"	"	"	"	
Copper	**4.17**	0.456	0.0238	"	"	"	"	"	"	
Lead	**6.00**	0.228	0.0627	"	"	"	"	"	"	
Nickel	**4.21**	0.456	0.0696	"	"	"	"	"	"	
Silver	**0.0269**	0.0228	0.00304	"	"	"	"	"	"	
Zinc	**18.4**	0.456	0.303	"	"	"	"	"	"	
Selenium	ND	0.297	0.200	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 12:01**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 12:01**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**87.7**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG05@4'

2211294-31 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 12:08**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**2.07**	0.224	0.188	mg/kg dry	1	BFK0460	11/17/22	11/18/22	EPA 6020B	
Barium	**173**	0.447	0.353	"	"	"	"	"	"	
Cadmium	**0.199**	0.224	0.00805	"	"	"	"	"	"	J
Copper	**4.49**	0.447	0.0234	"	"	"	"	"	"	
Lead	**6.04**	0.224	0.0615	"	"	"	"	"	"	
Nickel	**4.79**	0.447	0.0682	"	"	"	"	"	"	
Silver	**0.0291**	0.0224	0.00299	"	"	"	"	"	"	
Zinc	**20.1**	0.447	0.297	"	"	"	"	"	"	
Selenium	**0.625**	0.291	0.196	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 12:08**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 12:08**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**89.4**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG05@5'

2211294-32 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 12:12**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**2.77**	0.243	0.205	mg/kg dry	1	BFK0460	11/17/22	11/18/22	EPA 6020B	
Barium	**247**	0.486	0.384	"	"	"	"	"	"	
Cadmium	**0.242**	0.243	0.00875	"	"	"	"	"	"	J
Copper	**7.06**	0.486	0.0254	"	"	"	"	"	"	
Lead	**7.57**	0.243	0.0668	"	"	"	"	"	"	
Nickel	**6.52**	0.486	0.0742	"	"	"	"	"	"	
Silver	**0.0343**	0.0243	0.00325	"	"	"	"	"	"	
Zinc	**27.6**	0.486	0.323	"	"	"	"	"	"	
Selenium	**0.652**	0.316	0.213	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 12:12**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 12:12**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**82.3**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

BKG05@10'

2211294-33 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 12:29**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	**4.97**	0.244	0.206	mg/kg dry	1	BFK0460	11/17/22	11/18/22	EPA 6020B	
Barium	**136**	0.489	0.386	"	"	"	"	"	"	
Cadmium	**0.239**	0.244	0.00880	"	"	"	"	"	"	J
Copper	**7.02**	0.489	0.0255	"	"	"	"	"	"	
Lead	**7.22**	0.244	0.0671	"	"	"	"	"	"	
Nickel	**7.00**	0.489	0.0745	"	"	"	"	"	"	
Silver	**0.0326**	0.0244	0.00326	"	"	"	"	"	"	
Zinc	**25.7**	0.489	0.325	"	"	"	"	"	"	
Selenium	**0.658**	0.318	0.214	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **11/16/22 12:29**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30		mg/kg dry	1	BFK0513	11/18/22	11/19/22	EPA 7196A	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 12:29**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**81.9**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB03@0.5'

2211294-34 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 10:17**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	ND	0.200		mg/kg dry	1	BFK0460	11/17/22	11/18/22	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 10:17**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**96.1**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB04@0.5'

2211294-35 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 10:31**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	ND	0.200		mg/kg dry	1	BFK0460	11/17/22	11/18/22	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 10:31**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**95.1**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

SB05@0.5'

2211294-36 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **11/16/22 10:51**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cadmium	ND	0.200		mg/kg dry	1	BFK0460	11/17/22	11/18/22	EPA 6020B	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **11/16/22 10:51**

Analyte	Result	Reporting Limit	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	**95.4**			%	1	BFK0498	11/18/22	11/19/22	Calculation	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0484 - EPA 5030 Soil MS										
Blank (BFK0484-BLK1)				Prepared: 11/18/22 Analyzed: 11/20/22						
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	*0.0266*		*"*	*0.0400*		*66.5*	*50-150*			
Surrogate: Toluene-d8	*0.0416*		*"*	*0.0400*		*104*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0388*		*"*	*0.0400*		*96.9*	*50-150*			
LCS (BFK0484-BS1)				Prepared: 11/18/22 Analyzed: 11/20/22						
Benzene	0.0714	0.0020	mg/kg	0.0750		95.2	70-130			
Toluene	0.0685	0.0050	"	0.0750		91.4	70-130			
Ethylbenzene	0.0732	0.0050	"	0.0750		97.6	70-130			
m,p-Xylene	0.152	0.010	"	0.150		102	70-130			
o-Xylene	0.0770	0.0050	"	0.0750		103	70-130			
1,2,4-Trimethylbenzene	0.0853	0.0050	"	0.0750		114	70-130			
1,3,5-Trimethylbenzene	0.0820	0.0050	"	0.0750		109	70-130			
Naphthalene	0.0933	0.0038	"	0.0750		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0305*		*"*	*0.0400*		*76.2*	*50-150*			
Surrogate: Toluene-d8	*0.0422*		*"*	*0.0400*		*105*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0403*		*"*	*0.0400*		*101*	*50-150*			
Matrix Spike (BFK0484-MS1)	**Source: 2211294-01**			Prepared: 11/18/22 Analyzed: 11/20/22						
Benzene	0.0694	0.0020	mg/kg	0.0750	ND	92.6	70-130			
Toluene	0.0687	0.0050	"	0.0750	ND	91.6	70-130			
Ethylbenzene	0.0698	0.0050	"	0.0750	ND	93.0	70-130			
m,p-Xylene	0.145	0.010	"	0.150	ND	96.8	70-130			
o-Xylene	0.0758	0.0050	"	0.0750	ND	101	70-130			
1,2,4-Trimethylbenzene	0.0839	0.0050	"	0.0750	ND	112	70-130			
1,3,5-Trimethylbenzene	0.0796	0.0050	"	0.0750	ND	106	70-130			
Naphthalene	0.0785	0.0038	"	0.0750	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0314*		*"*	*0.0400*		*78.5*	*50-150*			
Surrogate: Toluene-d8	*0.0430*		*"*	*0.0400*		*108*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0404*		*"*	*0.0400*		*101*	*50-150*			

Summit Scientific

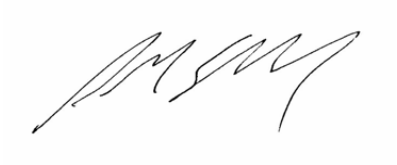
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0484 - EPA 5030 Soil MS										
Matrix Spike Dup (BFK0484-MSD1)	**Source: 2211294-01**			Prepared: 11/18/22 Analyzed: 11/20/22						
Benzene	0.0652	0.0020	mg/kg	0.0750	ND	87.0	70-130	6.28	30	
Toluene	0.0640	0.0050	"	0.0750	ND	85.4	70-130	6.96	30	
Ethylbenzene	0.0683	0.0050	"	0.0750	ND	91.0	70-130	2.13	30	
m,p-Xylene	0.141	0.010	"	0.150	ND	94.1	70-130	2.85	30	
o-Xylene	0.0739	0.0050	"	0.0750	ND	98.6	70-130	2.52	30	
1,2,4-Trimethylbenzene	0.0808	0.0050	"	0.0750	ND	108	70-130	3.83	30	
1,3,5-Trimethylbenzene	0.0774	0.0050	"	0.0750	ND	103	70-130	2.71	30	
Naphthalene	0.0745	0.0038	"	0.0750	ND	99.3	70-130	5.29	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0296*		*"*	*0.0400*		*73.9*	*50-150*			
Surrogate: Toluene-d8	*0.0426*		*"*	*0.0400*		*106*	*50-150*			
Surrogate: 4-Bromofluorobenzene	*0.0394*		*"*	*0.0400*		*98.5*	*50-150*			



PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

Summit Scientific

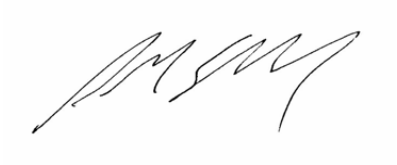
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0485 - EPA 3550A										
Blank (BFK0485-BLK1)				Prepared: 11/18/22 Analyzed: 11/19/22						
C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	*13.0*		*"*	*12.5*		*104*	*30-150*			
LCS (BFK0485-BS1)				Prepared: 11/18/22 Analyzed: 11/19/22						
C10-C28 (DRO)	506	50	mg/kg	500		101	70-130			
Surrogate: o-Terphenyl	*12.8*		*"*	*12.5*		*102*	*30-150*			
Matrix Spike (BFK0485-MS1)	**Source: 2211294-01**			Prepared: 11/18/22 Analyzed: 11/19/22						
C10-C28 (DRO)	494	50	mg/kg	500	28.2	93.1	70-130			
Surrogate: o-Terphenyl	*12.4*		*"*	*12.5*		*99.4*	*30-150*			
Matrix Spike Dup (BFK0485-MSD1)	**Source: 2211294-01**			Prepared: 11/18/22 Analyzed: 11/19/22						
C10-C28 (DRO)	456	50	mg/kg	500	28.2	85.6	70-130	7.91	20	
Surrogate: o-Terphenyl	*12.9*		*"*	*12.5*		*103*	*30-150*			

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0541 - EPA 5030 Soil MS										
Blank (BFK0541-BLK1)				Prepared & Analyzed: 11/21/22						
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	*0.0187*		*"*	*0.0333*		*56.1*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0232*		*"*	*0.0333*		*69.6*	*40-150*			
LCS (BFK0541-BS1)				Prepared & Analyzed: 11/21/22						
Acenaphthene	0.0327	0.00500	mg/kg	0.0333		98.0	31-137			
Anthracene	0.0329	0.00500	"	0.0333		98.7	30-120			
Benzo (a) anthracene	0.0307	0.00500	"	0.0333		92.0	30-120			
Benzo (a) pyrene	0.0298	0.00500	"	0.0333		89.5	30-120			
Benzo (b) fluoranthene	0.0314	0.00500	"	0.0333		94.1	30-120			
Benzo (k) fluoranthene	0.0335	0.00500	"	0.0333		100	30-120			
Chrysene	0.0345	0.00500	"	0.0333		103	30-120			
Dibenz (a,h) anthracene	0.0303	0.00500	"	0.0333		91.0	30-120			
Fluoranthene	0.0322	0.00500	"	0.0333		96.5	30-120			
Fluorene	0.0326	0.00500	"	0.0333		97.8	30-120			
Indeno (1,2,3-cd) pyrene	0.0284	0.00500	"	0.0333		85.1	30-120			
Pyrene	0.0341	0.00500	"	0.0333		102	35-142			
1-Methylnaphthalene	0.0262	0.00500	"	0.0333		78.6	35-142			
2-Methylnaphthalene	0.0244	0.00500	"	0.0333		73.2	35-142			
Surrogate: 2-Methylnaphthalene-d10	*0.0274*		*"*	*0.0333*		*82.2*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0323*		*"*	*0.0333*		*96.8*	*40-150*			



PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0541 - EPA 5030 Soil MS										
Matrix Spike (BFK0541-MS1)	**Source: 2211211-02**			Prepared & Analyzed: 11/21/22						
Acenaphthene	0.0140	0.00500	mg/kg	0.0333	ND	41.9	31-137			
Anthracene	0.0137	0.00500	"	0.0333	ND	41.2	30-120			
Benzo (a) anthracene	0.0157	0.00500	"	0.0333	ND	47.0	30-120			
Benzo (a) pyrene	0.0136	0.00500	"	0.0333	ND	40.8	30-120			
Benzo (b) fluoranthene	0.0139	0.00500	"	0.0333	ND	41.6	30-120			
Benzo (k) fluoranthene	0.0143	0.00500	"	0.0333	ND	42.8	30-120			
Chrysene	0.0150	0.00500	"	0.0333	ND	45.1	30-120			
Dibenz (a,h) anthracene	0.0161	0.00500	"	0.0333	ND	48.4	30-120			
Fluoranthene	0.0144	0.00500	"	0.0333	ND	43.3	30-120			
Fluorene	0.0134	0.00500	"	0.0333	ND	40.2	30-120			
Indeno (1,2,3-cd) pyrene	0.0153	0.00500	"	0.0333	ND	46.0	30-120			
Pyrene	0.0156	0.00500	"	0.0333	ND	46.9	35-142			
1-Methylnaphthalene	0.0145	0.00500	"	0.0333	ND	43.4	15-130			
2-Methylnaphthalene	0.0345	0.00500	"	0.0333	ND	104	15-130			
Surrogate: 2-Methylnaphthalene-d10	*0.0134*		*"*	*0.0333*		*40.2*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0151*		*"*	*0.0333*		*45.2*	*40-150*			
Matrix Spike Dup (BFK0541-MSD1)	**Source: 2211211-02**			Prepared & Analyzed: 11/21/22						
Acenaphthene	0.0147	0.00500	mg/kg	0.0333	ND	44.1	31-137	5.25	30	
Anthracene	0.0141	0.00500	"	0.0333	ND	42.4	30-120	2.76	30	
Benzo (a) anthracene	0.0163	0.00500	"	0.0333	ND	49.0	30-120	4.14	30	
Benzo (a) pyrene	0.0139	0.00500	"	0.0333	ND	41.8	30-120	2.31	30	
Benzo (b) fluoranthene	0.0140	0.00500	"	0.0333	ND	42.0	30-120	1.01	30	
Benzo (k) fluoranthene	0.0144	0.00500	"	0.0333	ND	43.2	30-120	1.01	30	
Chrysene	0.0156	0.00500	"	0.0333	ND	47.0	30-120	4.10	30	
Dibenz (a,h) anthracene	0.0140	0.00500	"	0.0333	ND	41.9	30-120	14.3	30	
Fluoranthene	0.0145	0.00500	"	0.0333	ND	43.6	30-120	0.861	30	
Fluorene	0.0141	0.00500	"	0.0333	ND	42.4	30-120	5.38	30	
Indeno (1,2,3-cd) pyrene	0.0144	0.00500	"	0.0333	ND	43.3	30-120	6.09	30	
Pyrene	0.0154	0.00500	"	0.0333	ND	46.3	35-142	1.20	30	
1-Methylnaphthalene	0.0244	0.00500	"	0.0333	ND	73.2	15-130	51.0	50	QR-02
2-Methylnaphthalene	0.0301	0.00500	"	0.0333	ND	90.4	15-130	13.6	50	
Surrogate: 2-Methylnaphthalene-d10	*0.0158*		*"*	*0.0333*		*47.5*	*40-150*			
Surrogate: Fluoranthene-d10	*0.0160*		*"*	*0.0333*		*48.1*	*40-150*			

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

Total Metals by EPA 6020B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0460 - EPA 3050B										
Blank (BFK0460-BLK1)				Prepared: 11/17/22 Analyzed: 11/18/22						
Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Cadmium	ND	0.200	"							
Copper	ND	0.400	"							
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
Selenium	ND	0.260	"							
LCS (BFK0460-BS1)				Prepared: 11/17/22 Analyzed: 11/18/22						
Arsenic	40.4	0.200	mg/kg wet	40.0		101	80-120			
Barium	45.1	0.400	"	40.0		113	80-120			
Cadmium	2.29	0.200	"	2.00		115	80-120			
Cadmium	2.29	0.200	"	2.00		115	80-120			
Copper	40.5	0.400	"	40.0		101	80-120			
Lead	21.7	0.200	"	20.0		109	80-120			
Nickel	39.4	0.400	"	40.0		98.4	80-120			
Silver	2.21	0.0200	"	2.00		110	80-120			
Zinc	41.9	0.400	"	40.0		105	80-120			
Selenium	3.95	0.260	"	4.00		98.9	80-120			
Duplicate (BFK0460-DUP1)	**Source: 2211252-01**			Prepared: 11/17/22 Analyzed: 11/18/22						
Arsenic	1.69	0.243	mg/kg dry		1.73			2.24	20	
Barium	24.3	0.485	"		23.7			2.37	20	
Cadmium	0.0251	0.243	"		0.0267			6.39	20	J
Cadmium	0.0251	0.200	"		0.0267			6.39	20	
Copper	2.80	0.485	"		2.91			3.81	20	
Lead	4.15	0.243	"		4.09			1.40	20	
Nickel	5.89	0.485	"		6.11			3.75	20	
Silver	0.00666	0.0243	"		0.00687			3.06	20	J
Zinc	28.2	0.485	"		29.3			3.84	20	
Selenium	0.444	0.315	"		0.403			9.75	20	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

Total Metals by EPA 6020B - Quality Control

Summit Scientific

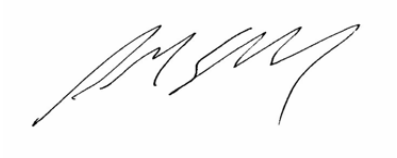
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0460 - EPA 3050B										
Matrix Spike (BFK0460-MS1)	**Source: 2211252-01**			Prepared: 11/17/22 Analyzed: 11/18/22						
Arsenic	45.7	0.243	mg/kg dry	48.5	1.73	90.6	75-125			
Barium	66.3	0.485	"	48.5	23.7	87.8	75-125			
Cadmium	2.31	0.200	"	2.43	0.0267	93.9	75-125			
Cadmium	2.31	0.243	"	2.43	0.0267	93.9	75-125			
Copper	48.8	0.485	"	48.5	2.91	94.7	75-125			
Lead	24.2	0.243	"	24.3	4.09	83.0	75-125			
Nickel	51.3	0.485	"	48.5	6.11	93.2	75-125			
Silver	2.11	0.0243	"	2.43	0.00687	86.7	75-125			
Zinc	75.9	0.485	"	48.5	29.3	96.0	75-125			
Selenium	3.05	0.315	"	4.85	0.403	54.5	75-125			QM-05
Matrix Spike Dup (BFK0460-MSD1)	**Source: 2211252-01**			Prepared: 11/17/22 Analyzed: 11/18/22						
Arsenic	45.3	0.243	mg/kg dry	48.5	1.73	89.8	75-125	0.904	25	
Barium	65.2	0.485	"	48.5	23.7	85.6	75-125	1.61	25	
Cadmium	2.32	0.243	"	2.43	0.0267	94.4	75-125	0.478	25	
Cadmium	2.32	0.200	"	2.43	0.0267	94.4	75-125	0.478	25	
Copper	48.3	0.485	"	48.5	2.91	93.5	75-125	1.13	25	
Lead	24.4	0.243	"	24.3	4.09	83.9	75-125	0.850	25	
Nickel	50.7	0.485	"	48.5	6.11	91.8	75-125	1.36	25	
Silver	2.13	0.0243	"	2.43	0.00687	87.4	75-125	0.766	25	
Zinc	75.1	0.485	"	48.5	29.3	94.2	75-125	1.13	25	
Selenium	3.73	0.315	"	4.85	0.403	68.6	75-125	20.2	25	QM-05
Batch BFK0488 - EPA 3050B										
Blank (BFK0488-BLK1)				Prepared: 11/18/22 Analyzed: 11/19/22						
Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Cadmium	ND	0.200	"							
Copper	0.0524	0.400	"							J
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
Selenium	ND	0.260	"							

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

Total Metals by EPA 6020B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0488 - EPA 3050B										
LCS (BFK0488-BS1)				Prepared: 11/18/22 Analyzed: 11/19/22						
Arsenic	40.4	0.200	mg/kg wet	40.0		101	80-120			
Barium	36.9	0.400	"	40.0		92.2	80-120			
Cadmium	1.81	0.200	"	2.00		90.4	80-120			
Cadmium	1.81	0.200	"	2.00		90.4	80-120			
Copper	40.4	0.400	"	40.0		101	80-120			
Lead	20.2	0.200	"	20.0		101	80-120			
Nickel	38.7	0.400	"	40.0		96.9	80-120			
Silver	1.89	0.0200	"	2.00		94.6	80-120			
Zinc	39.3	0.400	"	40.0		98.2	80-120			
Selenium	4.49	0.260	"	4.00		112	80-120			
Duplicate (BFK0488-DUP1)		**Source: 2211294-02**		Prepared: 11/18/22 Analyzed: 11/19/22						
Arsenic	5.40	0.229	mg/kg dry		5.33			1.27	20	
Barium	78.4	0.459	"		76.9			1.95	20	
Cadmium	0.186	0.200	"		0.188			0.736	20	
Cadmium	0.186	0.229	"		0.188			0.736	20	J
Copper	7.59	0.459	"		7.46			1.71	20	
Lead	6.23	0.229	"		6.04			2.98	20	
Nickel	6.61	0.459	"		6.49			1.84	20	
Silver	0.0307	0.0229	"		0.0312			1.48	20	
Zinc	48.6	0.459	"		47.7			1.72	20	
Selenium	0.260	0.298	"		0.263			1.40	20	J
Matrix Spike (BFK0488-MS1)		**Source: 2211294-02**		Prepared: 11/18/22 Analyzed: 11/19/22						
Arsenic	48.4	0.229	mg/kg dry	45.9	5.33	93.8	75-125			
Barium	110	0.459	"	45.9	76.9	71.7	75-125			QM-05
Cadmium	2.02	0.229	"	2.29	0.188	80.0	75-125			
Cadmium	2.02	0.200	"	2.29	0.188	80.0	75-125			
Copper	38.9	0.459	"	45.9	7.46	68.4	75-125			QM-05
Lead	22.3	0.229	"	22.9	6.04	70.9	75-125			QM-05
Nickel	36.9	0.459	"	45.9	6.49	66.2	75-125			QM-05
Silver	1.94	0.0229	"	2.29	0.0312	83.0	75-125			
Zinc	76.0	0.459	"	45.9	47.7	61.6	75-125			QM-05
Selenium	5.15	0.298	"	4.59	0.263	107	75-125			

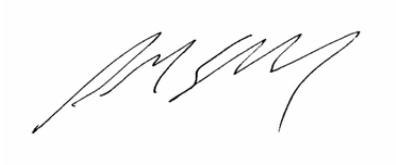


PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

Total Metals by EPA 6020B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0488 - EPA 3050B										
Matrix Spike Dup (BFK0488-MSD1)	**Source: 2211294-02**			Prepared: 11/18/22 Analyzed: 11/19/22						
Arsenic	50.2	0.229	mg/kg dry	45.9	5.33	97.7	75-125	3.64	25	
Barium	119	0.459	"	45.9	76.9	92.3	75-125	8.27	25	
Cadmium	2.22	0.200	"	2.29	0.188	88.6	75-125	9.34	25	
Cadmium	2.22	0.229	"	2.29	0.188	88.6	75-125	9.34	25	
Copper	39.9	0.459	"	45.9	7.46	70.7	75-125	2.68	25	QM-05
Lead	24.2	0.229	"	22.9	6.04	79.0	75-125	8.02	25	
Nickel	38.0	0.459	"	45.9	6.49	68.7	75-125	3.06	25	QM-05
Silver	2.09	0.0229	"	2.29	0.0312	89.6	75-125	7.46	25	
Zinc	78.4	0.459	"	45.9	47.7	66.7	75-125	3.06	25	QM-05
Selenium	5.35	0.298	"	4.59	0.263	111	75-125	3.68	25	
Batch BFL0038 - EPA 3050B										
Blank (BFL0038-BLK1)				Prepared: 12/01/22 Analyzed: 12/03/22						
Cadmium	ND	0.200	mg/kg wet							
LCS (BFL0038-BS1)				Prepared: 12/01/22 Analyzed: 12/03/22						
Cadmium	2.24	0.200	mg/kg wet	2.00		112	80-120			
Duplicate (BFL0038-DUP1)	**Source: 2211294-05**			Prepared: 12/01/22 Analyzed: 12/03/22						
Cadmium	0.275	0.200	mg/kg dry		0.224			20.4	20	QR-03
Matrix Spike (BFL0038-MS1)	**Source: 2211294-05**			Prepared: 12/01/22 Analyzed: 12/03/22						
Cadmium	2.14	0.200	mg/kg dry	2.38	0.224	80.3	75-125			
Matrix Spike Dup (BFL0038-MSD1)	**Source: 2211294-05**			Prepared: 12/01/22 Analyzed: 12/03/22						
Cadmium	2.31	0.200	mg/kg dry	2.38	0.224	87.5	75-125	7.77	25	



PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

Hexavalent Chromium by EPA Method 7196 - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0513 - 3060A_Mod										
Blank (BFK0513-BLK1)				Prepared: 11/18/22 Analyzed: 11/19/22						
Chromium, Hexavalent	ND	0.30	mg/kg wet							
LCS (BFK0513-BS1)				Prepared: 11/18/22 Analyzed: 11/19/22						
Chromium, Hexavalent	23.8	0.30	mg/kg wet	25.0		95.0	80-120			
Duplicate (BFK0513-DUP1)	**Source: 2211294-14**			Prepared: 11/18/22 Analyzed: 11/19/22						
Chromium, Hexavalent	ND	0.30	mg/kg dry		ND				20	
Matrix Spike (BFK0513-MS1)	**Source: 2211294-14**			Prepared: 11/18/22 Analyzed: 11/19/22						
Chromium, Hexavalent	29.8	0.30	mg/kg dry	28.9	ND	103	75-125			
Matrix Spike Dup (BFK0513-MSD1)	**Source: 2211294-14**			Prepared: 11/18/22 Analyzed: 11/19/22						
Chromium, Hexavalent	29.8	0.30	mg/kg dry	28.9	ND	103	75-125	0.00	20	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0501 - General Preparation										
Blank (BFK0501-BLK1)				Prepared: 11/18/22 Analyzed: 11/22/22						
Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							
LCS (BFK0501-BS1)				Prepared: 11/18/22 Analyzed: 11/22/22						
Calcium	5.00	0.0500	mg/L wet	5.00		100	70-130			
Magnesium	4.45	0.0500	"	5.00		89.1	70-130			
Sodium	4.44	0.0500	"	5.00		88.7	70-130			

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0498 - General Preparation										
Duplicate (BFK0498-DUP1)		**Source: 2211294-02**		Prepared: 11/18/22 Analyzed: 11/19/22						
% Solids	87.4		%		87.2			0.285	20	
Batch BFK0516 - General Preparation										
Duplicate (BFK0516-DUP1)		**Source: 2210371-01**		Prepared: 11/18/22 Analyzed: 11/21/22						
% Solids	98.7		%		99.0			0.281	20	
Batch BFL0092 - General Preparation										
Duplicate (BFL0092-DUP1)		**Source: 2211294-05**		Prepared & Analyzed: 12/04/22						
% Solids	83.7		%		83.9			0.177	20	

PDC Energy	Project: Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number: [none]	**Reported:**
Denver CO, 80203	Project Manager: Mark Longhurst	02/28/23 09:35

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

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BFK0534 - General Preparation										
Blank (BFK0534-BLK1)				Prepared & Analyzed: 11/19/22						
Specific Conductance (EC)	ND	0.0100	mmhos/cm							
LCS (BFK0534-BS1)				Prepared & Analyzed: 11/19/22						
Specific Conductance (EC)	0.146	0.0100	mmhos/cm	0.150		97.3	95-105			
Duplicate (BFK0534-DUP1)	**Source: 2210371-01**			Prepared & Analyzed: 11/19/22						
Specific Conductance (EC)	0.368	0.0100	mmhos/cm		0.363			1.29	20	

PDC Energy	Project:	Peak 1 Tank Battery	
1775 Sherman St. STE. 3000	Project Number:	[none]	**Reported:**
Denver CO, 80203	Project Manager:	Mark Longhurst	02/28/23 09:35

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.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration
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